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DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

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Food and Drug Administration
Rockville MD 20857

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Donald O. Beers
Arnold & Porter LLP
555 Twelfth Street, N.W.
Washington, D.C. 20004-1206

William F. Cavanaugh, Jr.
Patterson, Belknap, Webb & Tyler LLP
1133 Avenue of the Americas
New York, NY 10036-6710

Re: Docket No. 2004P-0386/CP1 & RC1

Dear Mr. Beers and Mr. Cavanaugh:

This letter responds to your citizen petition dated August 31, 2004 (Petition). The Food and Drug Administration (FDA) has also considered the comment to the petition filed by Reliant Pharmaceuticals Inc. (Reliant) dated September 24, 2004, as well as the reply to Reliant's comment you submitted dated November 1, 2004. Your petition requests, on behalf of Abbott Laboratories and Laboratoires Fournier SA (collectively Abbott), that FDA refuse to approve Reliant's new drug application (NDA) 21-695 for fenofibrate capsules until Reliant "fulfills its statutory obligations by certifying to all patents properly listed for NDAs 21-203 and 19-304" (Petition at 1). You suggest that section 505(b)(2) of the Federal Food, Drug, and Cosmetic Act (the Act) (21 U.S.C. 355(b)(2)) requires Reliant to certify not only to the patents for the listed drug that Reliant's 505(b)(2) application references and on which it relies for approval, but also to all patents on all other later-approved Abbott products that were approved based, in part, on some or all of the same underlying investigations. You contend that certification to patents on all these later-approved products is required regardless of the similarity or dissimilarity of the later-approved products to the product described in Reliant's 505(b)(2) NDA (Petition at 3). For the reasons described in detail below, your petition is denied.

I. Background

Abbott obtained approval for NDA 19-304 for a 100-milligram (mg) nonmicronized fenofibrate capsule on December 31, 1993 (*the first NDA*). This NDA contained all of the clinical and preclinical investigations required of a full NDA under section 505(b)(1) of the Act. As part of its application, Abbott submitted patent 4,895,726 (the '726 patent) for NDA 19-304. FDA listed that patent in *Approved Drug Products With Therapeutic Equivalence Evaluations* (the Orange Book). This patent is due to expire on January 19, 2009. Abbott has never marketed the 100-mg nonmicronized capsules approved in NDA 19-304.

2004P-0386

PDN 1

On February 9, 1998, FDA approved a supplement to NDA 19-304 for 67-mg micronized fenofibrate capsules. One year later, FDA approved an additional supplement to NDA 19-304 for 134- and 200-mg micronized capsules. These two supplements were approved based on studies in healthy volunteers that compared the bioavailability of the proposed drug products with that of the previously approved -- but never marketed -- 100-mg nonmicronized capsule. The supplements did not include additional clinical or preclinical studies to establish safety or effectiveness. No additional patents were submitted by Abbott in conjunction with these two supplements.

On September 4, 2001, Abbott obtained approval for NDA 21-203 for 54- and 160-mg fenofibrate tablets (*the second NDA*). This NDA contained no new safety or effectiveness studies. It was also supported by the clinical and preclinical studies previously submitted by Abbott in the first NDA, as well as by a newly conducted study in healthy volunteers comparing the bioavailability of the proposed Abbott tablets with that of the previously approved -- but never marketed -- Abbott 100-mg capsules from the first NDA (NDA 19-304). Abbott submitted, and FDA listed, the '726 patent as claiming the tablets approved in NDA 21-203. Abbott subsequently submitted, and FDA listed, patent numbers 6,277,405 (the '405 patent), 6,074,670 (the '670 patent), 6,589,552 (the '552 patent), and 6,653,881 (the '881 patent) for the tablets approved in NDA 21-203.¹ The '405, '670, '552 and '881 patents are all due to expire on January 9, 2018.

On September 3, 2002, Teva Pharmaceuticals (Teva) obtained approval for an abbreviated new drug application (ANDA) for 67-, 134-, and 200-mg micronized fenofibrate capsules. Teva cited the first NDA (NDA 19-304) as the reference listed drug. In early 2003, Abbott discontinued marketing all strengths under the first NDA. FDA subsequently determined that the fenofibrate capsules approved in the first NDA were not discontinued from marketing for reasons of safety or effectiveness (68 FR 56636; October 1, 2003).

On February 18, 2004, Reliant notified Abbott that it had submitted a 505(b)(2) NDA for micronized fenofibrate capsules in 43-, 87-, and 130-mg strengths. Reliant's NDA also cited as its listed drug Abbott's first NDA (NDA 19-304) for fenofibrate capsules. Reliant included in its application a paragraph IV certification for the '726 patent listed for that NDA and provided Abbott notice of the certification (21 U.S.C. 355(b)(2)(A)(iv)). Abbott did not sue Reliant within 45 days of receipt of notice of Reliant's paragraph IV certification. Instead, Abbott informed Reliant that Reliant was also required to certify to the '405, '670, '552, and '881 patents that claim the fenofibrate tablets approved in the second NDA. Reliant refused to certify to the patents listed for NDA 21-203. Abbott filed this petition seeking an FDA determination that Reliant is required to do so.

¹ Abbott has never submitted the '405, '670, '552, or '881 patents to the first NDA (NDA 19-304). Because submission by the NDA holder of patents that claim the approved drug substance (active ingredient), drug product (formulation or composition), or method of use is mandatory, not permissive, FDA assumes that Abbott does not contend that these patents claim the drug substance, drug product, or method of use approved in the first NDA.

II. Positions of the Parties

Abbott and Reliant disagree about the proper scope of patent certification obligations under section 505(b)(2) of the Act. Abbott argues that a section 505(b)(2) applicant such as Reliant must certify not only to patents that claim the listed drug product or products it references, and on whose finding of safety and effectiveness it relies, but also to patents on any other drug product that was approved on the basis of the same underlying investigations as the drug product referenced in the 505(b)(2) NDA. Abbott contends that the word *drug* in section 505(b)(2) of the Act "is not limited to a particular drug product (*i.e.*, a finished dosage form)." Rather, Abbott claims that the word *drug* in this context "also includes a drug substance, which is a component of a drug product" (Petition at 5). Abbott further contends that the "plain meaning" of the phrase "drug for which such investigations were conducted" in section 505(b)(2) compels Reliant to certify to patents on formulations and compositions of the drug on which the underlying investigations establishing safety and effectiveness were conducted *as well as* to patents on "future formulations whose approval the investigations may support" (Petition at 5).

According to Abbott, if Congress had intended to limit patent certification obligations to exclude patents on future formulations, it would have required section 505(b)(2) applicants to certify to patents for the drugs *on which* not *for which* the investigations were conducted (*Id.*). Abbott asserts that because Congress used the word *for* instead of the word *on*, if Reliant seeks to rely on the investigations submitted in the first NDA (NDA 19-304), Reliant must certify to the patents on the first NDA, *as well as* to the patents on any future NDA, including but not limited to the second NDA (NDA 21-203), that also relies on the same underlying investigations.

Reliant, by contrast, argues that the patent certification obligations described in section 505(b)(2) require applicants to certify "whether the proposed products may infringe the patents on the listed drugs they reference in their applications" (Comments Opposing Citizen Petition Filed on Behalf of Abbott Laboratories and Laboratories Fournier SA (Opp.) at 5 (quoting consolidated FDA response to citizen petitions in Docket Nos. 2001P-0323, 2002P-0447, and 2003P-0408 (October 14, 2003) (505(b)(2) Petition Response) at 5). Reliant argues that once the appropriate listed drug or drugs (*i.e.*, the approved drug product or products on which investigations relied upon for approval were conducted)² are identified, the scope of the certification requirement becomes clear. Reliant suggests that because the Orange Book lists the drug substance (active ingredient), drug product (formulation and composition), and method of use patents that claim the listed drug identified, "a 505(b)(2) applicant need only consult the Orange Book patent

² In contrast to an ANDA (which generally relies on a showing of bioequivalence to a single listed drug to support its own safety and effectiveness), a 505(b)(2) application may rely on approvals for several listed drugs to support its approval. Where no single FDA finding of safety or effectiveness is sufficient to supplement the data submitted in the 505(b)(2) application and findings of safety and effectiveness for different listed drugs support different aspects of the 505(b)(2) approval, the 505(b)(2) applicant should certify to multiple sets of patents. For example, if a proposed 505(b)(2) application relies on the finding of safety and effectiveness for one NDA to support one aspect of its approval (*e.g.*, dosage form) and the finding of safety and effectiveness for another NDA to support another aspect of the approval (*e.g.*, indication), the 505(b)(2) applicant should certify to all patents listed for both drugs. This type of dual certification was not requested here because, as explained later in this response, the finding of safety and effectiveness for the first NDA (NDA 19-304) was sufficient to provide all the information needed for approval of Reliant's application.

listings for the listed drug upon which it relies to identify those patents that claim the drug *for which* and *on which* investigations that are relied upon by the applicant for approval of its application were conducted" (Opp. at 7 (emphasis added)). Reliant notes that Abbott's reading of the statute would allow NDA holders to protect their monopolies on drug products long after patent protection on those products has expired and would result in "perpetual evergreening" that is "contrary to both the spirit and the letter of the Hatch-Waxman Amendments and FDA's regulations" (Opp. at 2).

III. Legal Framework

A. Requirements for Patent Submission and Listing

Abbott is concerned about the scope of patent certification obligations because, in determining their scope, FDA is also determining the scope of protection that the statute gives Abbott, the NDA holder. The patent certification requirements for ANDA and section 505(b)(2) applicants are determined by reference to the patents submitted by the NDA holder and published by FDA. Thus, to determine the proper scope of the patent certification requirements under section 505(b)(2) of the Act, FDA must also consider the scope of the patent submission and listing requirements. Section 505(b)(1) of the Act describes the patents that must be submitted for listing as follows:

The applicant shall file with the application the patent number and the expiration date of *any patent which claims the drug for which the applicant submitted the application or which claims a method of using such drug* and with respect to which a claim of patent infringement could reasonably be asserted if a person not licensed by the owner engaged in the manufacture use, or sale of the drug. If [sic] application is filed under this subsection for a drug and *a patent which claims such drug or [a] method of using such drug* is issued after the filing date but before approval of the application, the applicant shall amend the application to include the information required by the preceding sentence. Upon approval of the application, the Secretary shall publish information submitted under the two preceding sentences.

21 U.S.C. 355(b)(1) (emphasis added).³

Although FDA acknowledges that the word *drug* can have different meanings in different contexts,⁴ in this context the statutory language establishes that patents are submitted as part of the new drug application process, that is, the process by which *drug products* are approved for marketing. Because applications are submitted and approved for drug products, not active ingredients or active moieties, FDA interprets the phrases "patent which claims the

³ Section 505(c) of the Act further requires that if "the holder of an approved application could not file patent information under [505(b)(1)] because no patent had been issued when an application [had been] approved, the holder shall file such information under this subsection not later than [30] days after the date the patent involved is issued. Upon the submission of patent information under this subsection, the Secretary shall publish it." (21 U.S.C. 355(c)(2)).

⁴ See 21 U.S.C. 321(g).

drug for which the applicant submitted the application" and "a patent which claims *such drug*" as meaning patents claiming the *drug product* described in the NDA.

Accordingly, FDA regulations adopt this reading of the text and make explicit that, under this provision, NDA applicants must submit with their applications patents that claim the *drug product* for which the applicant is seeking or has obtained approval (see 21 CFR 314.50(h) (requiring applications to contain patent information described in 21 CFR 314.53); 54 FR 28872 at 28877 (July 10, 1989) ("For purposes of this proposed rule, FDA interprets the term 'drug' to mean 'drug product' unless otherwise specified")). These include patents on the approved active ingredient, formulation and composition, and methods of use for the drug product described in the NDA. See 21 CFR 314.53(b) ("For patents that claim the drug substance, the applicant shall submit information only on those patents that claim the drug substance that is the subject of the pending or approved application ... For patents that claim a drug product, the applicant shall submit information only on those patents that claim a drug product, as it is defined in § 314.3, that is described in the pending or approved application. For patents that claim a method of use, the applicant shall submit information only on those patents that claim indications or other conditions of use that are described in the pending or approved application"). NDA applicants may not submit, and FDA will not publish, patent information under this provision for patents on active ingredients⁵ or formulations they have chosen not to pursue, or methods of use for which they are not seeking or have not obtained approval (*Id.*).

B. Requirements for Patent Certification

Section 505(b)(2) of the Act describes when a section 505(b)(2) applicant must certify to the patents listed and published for a previously approved drug product as follows:

An application submitted under paragraph (1) for a drug for which the investigations described in clause (A) . . . and relied upon by the applicant for approval of the application were not conducted by or for the applicant and for which the applicant has not obtained a right of reference or use from the person by or for whom the investigations were conducted shall also include--

(A) a certification . . . with respect to each patent which claims the drug for which such investigations were conducted or which claims a use for such drug for which the applicant is seeking approval under this subsection and for which information is required to be filed under paragraph (1) or subsection (c)--

21 U.S.C. 355(b)(2) (emphasis added).

⁵ FDA regulations permit NDA holders to submit patents on polymorphic forms of the active ingredient that have not been approved in the NDA if the alternative polymorphic form is "the same" as the approved active ingredient, and the NDA holder has test data establishing that the alternative polymorphic form will have the same performance characteristics as the approved polymorphic form of the active ingredient (see 21 CFR 314.53(b)). That exception is not at issue here.

With respect to each patent as to which the section 505(b)(2) applicant must certify, the certification must state:

- (i) that such patent information has not been filed,
- (ii) that such patent has expired,
- (iii) the date on which such patent will expire, or
- (iv) that such patent is invalid or will not be infringed by the manufacture, use, or sale of the new drug for which the application is submitted.

21 U.S.C. 355(b)(2)(A).

If a section 505(b)(2) applicant does not challenge the listed patents by filing a paragraph IV certification, the application will not be approved until all the listed patents claiming the listed drug have expired. If an applicant wishes to challenge the validity of the listed patent, or to claim that the listed patent would not be infringed by the product proposed in the section 505(b)(2) application, the applicant must submit a paragraph IV certification to FDA. The applicant must also provide a notice to the NDA holder and the patent owner stating that the application has been submitted and explaining the factual and legal basis for the applicant's opinion that the patent is invalid or not infringed (21 U.S.C. 355(b)(2)(B)). Once the NDA holder and patent owner have received notice, they have 45 days within which to sue the applicant for patent infringement and thus trigger a 30-month stay on FDA approval of the proposed drug (21 U.S.C. 355(c)(3)(C)). FDA will approve the proposed drug before the 30-month period expires only if a court finds the patent invalid or not infringed or the court shortens the period because the parties fail to cooperate in expediting the litigation (21 U.S.C. 355(c)(3)(C)).

The query, then, is what listed drug or drugs must a 505(b)(2) application cite and, as a result, for what patents will certification be required. The relevant statutory provision is section 505(b)(2) quoted above. Abbott argues that *drug* in section 505(b)(2) of the Act is not limited to *drug product*. Abbott also makes much of the use of the word *for* instead of *on* in the statutory language. Specifically, it contends that because *drug* means *active ingredient* as well as *drug product*, by specifying "the drug for which such investigations were conducted" instead of "the drug on which such investigations were conducted" in section 505(b)(2)(A) of the Act, Congress required certification to all patents for every drug containing the same active ingredient that relied in part on the same underlying investigations on which the section 505(b)(2) applicant seeks to rely.

This language does not bear the weight Abbott ascribes to it. The phrase "the drug for which such investigations were conducted" neither implicitly nor explicitly requires certification to patents on "future formulations whose approval the investigations may support." At most, this language may be ambiguous in describing which drugs' patents must be certified to. Moreover, FDA's interpretation of this provision looks not at these eight words in isolation but at the entire patent certification provision in context and at the Hatch-Waxman statutory scheme as a whole. The language of section 505(b)(2) of the Act explicitly links the *drug* relied on for approval to the *drug* for which patent certifications must be made. Consistent with its interpretation of section 505(b)(1) discussed above, FDA interprets *drug* in section 505(b)(2) to refer to *drug*

product, not active ingredient. Applications are submitted for drug products, not drug substances or active ingredients. Accordingly, the phrase "application . . . for a drug for which the investigations . . . relied upon by the applicant for approval . . . were not conducted by or for the applicant" in section 505(b)(2) refers to an application for a *drug product* relying for approval on investigations the applicant did not conduct. Moreover, section 505(b)(2)(A) of the Act states that the 505(b)(2) applicant must certify to "each patent which claims the drug for which such investigations were conducted . . . and for which information is required to be filed under [505(b)(1)]." As noted above, section 505(b)(1) requires that patent information be filed for drug products, not active ingredients. Therefore, the requirement that a 505(b)(2) applicant certify to "each patent which claims the drug for which such investigations were conducted . . . and for which information is required to be filed under [505(b)(1)]" requires certifications to patents listed for the drug product relied on for approval, but not to patents for all other drug products that contain the same drug substance and rely on the same underlying investigations.⁶

FDA's implementing regulations reinforce this relationship between reliance and certification. They establish that an applicant seeking approval for a modification of a previously approved drug product may submit a 505(b)(2) application that contains only the information necessary to support the modification (21 CFR 314.54(a)). However, if a 505(b)(2) applicant relies on a previously approved drug product in this fashion, that applicant must certify to the patents listed under section 505(b)(1) of the Act for that drug product. FDA's regulations require that a 505(b)(2) applicant that seeks to rely in any way on a previously approved drug product must identify "the listed drug for which FDA has made a finding of safety and effectiveness and on which finding the applicant relies in seeking approval of its proposed drug product" (21 CFR 314.54(a)(1)(iii)). The regulations require 505(b)(2) applicants to submit "[a]ny patent certification or statement required under section 505(b)(2) of the [A]ct with respect to any relevant patents that claim the listed drug or that claim any other drugs on which investigations relied on by the applicant for approval of the application were conducted, or that claim a use for the listed or other drug"⁷ (21 CFR 314.54(a)(1)(vi); see also 21 CFR 314.50(i)(1)(i)). A listed drug is defined as "a new drug product that has an effective approval" (21 CFR 314.3).

Together, these provisions establish that a section 505(b)(2) applicant is permitted to rely in whole or in part on the Agency's previous findings of safety and effectiveness for one or more previously approved drug products (listed drugs). As a condition of doing so, however, the section 505(b)(2) applicant must identify in its application the drug product or products on which it relies and certify to any relevant patents for those drug products. Patent certification obligations thus are linked to identification of the listed drug or drugs on which the application

⁶ See also Drug Price Competition and Patent Term Restoration Act, House Report 98-417, Part 1 at 32 (When an NDA "is submitted for a listed drug under 505(j)(6) [now section 505(b)(2) of the Act], it must include a certification by the applicant regarding the status of certain patents applicable to the listed drug if such information has been provided to the FDA. With respect to all product patents which claim the listed drug and all use patents which claim an indication for which the applicant is seeking approval...the applicant must certify....") (emphasis added).

⁷ The phrase "or that claim any other drugs on which investigations relied on by the applicant for approval of the application" refers to the situation where a 505(b)(2) applicant references one listed drug to support one aspect of its proposed drug product (e.g., active ingredient or indication) and another listed drug to support another aspect of its proposed drug product (e.g., extended release dosage form). In such a case, more than one listed drug will be referenced and more than one set of patent certifications will be required.

relies and are limited to the patents submitted and published for the listed drug or drugs identified.⁸

FDA's longstanding interpretation of the statute does not permit 505(b)(2) applicants to rely on particular investigations in previously approved NDAs that are not reflected in the NDA approvals. Rather, they can only rely on previous findings of safety and effectiveness for a listed drug or drugs. Therefore, if a sponsor has submitted a study to an NDA, the results of which are not reflected in the NDA's approval (e.g., a study for an indication that FDA has rejected), a 505(b)(2) applicant cannot rely on that study to support its own approval (see 505(b)(2) Petition Response at 10, footnote 14 (distinguishing reliance on the finding of safety and effectiveness from reliance on the underlying data)).

This interpretation also treats ANDAs and 505(b)(2) applications comparably. As discussed in detail in the 505(b)(2) Petition Response, such treatment is a guiding principle for Hatch-Waxman interpretation that reflects the parallel structure and logic of the patent certification provisions in sections 505(b)(2) and 505(j) of the Act.⁹ Just as ANDAs need only certify to patents on the listed drugs they reference and on which they rely for approval (and not to patents on other products in the product lines that reference the same underlying investigations that supported the approval of the listed drug referenced), so too, are the 505(b)(2) applicant's patent certification obligations correlated to patents on the listed drug or drugs relied on for approval.¹⁰

C. Choosing the Listed Drug

In contrast to Abbott's sweeping approach to identifying listed drugs for patent certifications, FDA's approach is tailored more narrowly to reflect the logic and language of the statute. Given

⁸ FDA notes that this approach is appropriate because if two listed drugs from the same sponsor were to rely on the same investigations to support approval, any patents that claim the results of those investigations must be listed for both products. If two NDAs from the same sponsor have different patents listed, it can be assumed that patents listed for product B and not for product A claim some aspect of product B (e.g., formulation, indication) that is not present in product A. An applicant that seeks to duplicate the aspect of product B that is not present in product A (and to rely on product B's approval to support this feature) will cite product B as its listed drug and must certify to the patents for product B. An applicant that does not seek to duplicate this aspect of product B should be permitted to cite product A as its listed drug and certify only to the patents on product A.

⁹ See 54 FR 28872 at 28875 ("[T]he new statutory provisions impose on a 505(b)(2) applicant additional requirements with respect to patent certification . . . that are generally the same as those that apply to ANDA's"); 54 FR at 28891 ("[B]ecause the patent certification and exclusivity provisions apply equally to applications described under section 505(b)(2) or 505(j) of the act, an applicant will not be disadvantaged by the review of its application under section 505(j) of the act rather than section 505(b)(2) of the act."); 54 FR at 28892 ("An applicant submitting a section 505(b)(2) application must make the same certifications with respect to patents as an applicant submitting an ANDA"). See also 505(b)(2) Petition Response at 9 (Hatch-Waxman amendments ensured that "the patent and exclusivity bars to approval that apply to ANDAs apply as well to the approval of 505(b)(2) applications").

¹⁰ FDA has consistently made clear that, in approving a 505(b)(2) application, FDA will rely on a previous NDA approval only to the extent it would be permitted to do so in an ANDA submitted under 505(j). See Draft Guidance at 2 to 3 ("[The 505(b)(2) mechanism] essentially makes the Agency's conclusions that would support the approval of a 505(j) application available to an applicant who develops a modification of a drug."); see also 54 FR 28872 at 28892 ("Like similar supplements to approved ANDAs, [505(b)(2) applicants seeking to make a change to a listed drug] will rely on the approval of the listed drug together with the data needed to support the change. The applicant will thus be relying on the approval of the listed drug only to the extent that such reliance would be allowed under 505(j) of the act: to establish the safety and effectiveness of the underlying drug."); 505(b)(2) Petition Response at 3, 9, 10, and 14.

that a 505(b)(2) applicant must certify only to patents on the listed drug relied on for approval, each proposed 505(b)(2) application must identify the listed drug or drugs on which it seeks to rely. Once a listed drug has been identified, the 505(b)(2) applicant need only provide sufficient information to support any change from the listed drug proposed (21 CFR 314.54(a)). FDA's Draft Guidance for Industry, *Applications Covered by Section 505(b)(2)* (Draft Guidance), makes clear, however, that "[i]f there is a listed drug that is the pharmaceutical equivalent¹¹ [of] the drug proposed in the 505(b)(2) application, that drug should be identified as the listed drug"¹² (Draft Guidance at 8). It further provides that, "if there is a listed drug that is the pharmaceutical equivalent of the drug proposed in the 505(b)(2) application, the 505(b)(2) applicant should provide patent certifications for the patents listed for the pharmaceutically equivalent drug" (Draft Guidance at 8). These provisions ensure that the 505(b)(2) applicant does not use the 505(b)(2) process to end-run patent protections that would have applied had an ANDA been permitted.¹³ They further ensure that the 505(b)(2) applicant (and FDA) can rely, to the maximum extent possible, on what is already known about a drug without having to re-prove (or re-review) what has already been demonstrated. See 505(b)(2) Petition Response at 3 ("FDA's longstanding interpretation of section 505(b)(2) is intended to permit the pharmaceutical industry to rely to the greatest extent possible under the law on what is already known about a drug").

When there is no listed drug that is a pharmaceutical equivalent to the drug product proposed in the 505(b)(2) application, neither the statute, the regulations, nor the Draft Guidance directly addresses how to identify the listed drug or drugs on which a 505(b)(2) applicant is to rely. However, because, under 21 CFR 314.54(a), a 505(b)(2) applicant seeking approval for a change to a listed drug need only supply information sufficient to support the change proposed, it follows that the more similar a proposed drug is to the listed drug cited, the smaller the quantity of data that will be needed to support the proposed change. Accordingly, to avoid unnecessary duplication of research and review, when a section 505(b)(2) application has been submitted and no pharmaceutically equivalent drug product has previously been approved, the 505(b)(2) applicant should choose the listed drug or drugs that are most similar to the drug for which approval is sought.

¹¹ FDA's regulations at 21 CFR 320.1(c) define pharmaceutical equivalents as:

drug products in identical dosage forms that contain identical amounts of the identical active drug ingredient, i.e., the same salt or ester of the same therapeutic moiety, or, in the case of modified release dosage forms that require a reservoir or overage or such forms as prefilled syringes where residual volume may vary, that deliver identical amounts of the active drug ingredient over the identical dosing period; do not necessarily contain the same inactive ingredients; and meet the identical compendial or other applicable standard of identity, strength, quality and purity, including potency and, where applicable, content uniformity, disintegration times, and/or dissolution rates.

¹² A 505(b)(2) application may be submitted for a pharmaceutical equivalent to a previously approved drug product when, for example, the 505(b)(2) contains a novel excipient that requires a safety study and therefore cannot be approved in an ANDA. FDA regulations establish, however, that FDA may refuse to file a 505(b)(2) application eligible for approval under section 505(j) (21 CFR 314.101(d)(9)).

¹³ Similarly, if a tablet and a capsule are approved for the same moiety with patents listed for the tablet and none listed for the capsule, an ANDA applicant seeking approval for a tablet should cite the approved tablet as the reference listed drug. It should not circumvent the patents on the tablet by citing the capsule as the reference listed drug and filing a suitability petition under section 505(j)(2)(C) of the Act and 21 CFR 314.93 seeking to change to a tablet dosage form.