

Reference for examples of clinical index inducers for P450-mediated metabolisms

Isoform	Inducer	Substrate	AUCR	Reference*
1A2	rifampin	ramelteon	0.184	NDA 021782
1A2	rifampin	tasimelteon	0.139	25851638
1A2	smoking	pirfenidone	0.495	NDA 022535
1A2	smoking	theophylline	0.443	1277710
2B6	rifampin	efavirenz	0.436	21282425
2B6	rifampin	bupropion	0.290	20876786
2C8	rifampin	repaglinide	0.204	15034704
2C8	rifampin	pioglitazone	0.462	16390353
2C8	rifampin	rosiglitazone	0.336	15001966
2C9	rifampin	tolbutamide	0.362	21930825
2C9	rifampin	warfarin	0.423	4852505
2C19	rifampin	omeprazole	0.105	24722393
2C19	rifampin	voriconazole	0.005	17606672
3A	phenytoin	nisoldipine	0.105	8917062
3A	phenytoin	quetiapine	0.200	11199955
3A	rifampin	alfentanil	0.046	15536460
3A	rifampin	buspirone	0.075	9578186
3A	rifampin	midazolam	0.016	9591931
3A	rifampin	triazolam	0.050	9024169

*PMID unless specified otherwise

Abbreviations

AUCR: area under the concentration-time curve ration of a substrate in the presence and absense of an inhibitor or inducer

NDA: New drug application number

PMID: PubMed Unique Identifier