

Supp Table 8 Top drug-phenotype pairs according to the hypergeometric index, based on the Orphanet dataset using the domain-target based methodology, only including ChEMBL drugs with drug names found by literature comention
Drug: ChEMBL database ID, Hyl: hypergeometric index.

HPO	HPO name	Drug	Drug Name	Phase	Hyl
HP:0001688	Sinus bradycardia	CHEMBL45816	MIBEFRADIL	4	47.51
HP:0001664	Torsade de pointes	CHEMBL45816	MIBEFRADIL	4	47.03
HP:0003712	Skeletal muscle hypertrophy	CHEMBL4208190	NA	0	31.90
HP:0001276	Hypertonia	CHEMBL698	TETRACAINE	4	31.90
HP:0003712	Skeletal muscle hypertrophy	CHEMBL698	TETRACAINE	4	30.86
HP:0007215	Periodic hyperkalemic paralysis	CHEMBL4208190	NA	0	30.49
HP:0031475	Status epilepticus without prominent motor symptoms	CHEMBL4208190	NA	0	26.89
HP:0003712	Skeletal muscle hypertrophy	CHEMBL507974	TETRODOTOXIN	3	26.64
HP:0003712	Skeletal muscle hypertrophy	CHEMBL501134	SAXITOXIN	0	26.64
HP:0012726	Episodic hypokalemia	CHEMBL4208190	NA	0	26.22
HP:0002121	Generalized non-motor (absence) seizure	CHEMBL4208190	NA	0	25.83
HP:0002121	Generalized non-motor (absence) seizure	CHEMBL3809595	NA	0	25.83
HP:0007215	Periodic hyperkalemic paralysis	CHEMBL507974	TETRODOTOXIN	3	25.22
HP:0007359	Focal-onset seizure	CHEMBL4208190	NA	0	24.83
HP:0007359	Focal-onset seizure	CHEMBL3809595	NA	0	24.83
HP:0002069	Bilateral tonic-clonic seizure	CHEMBL4208190	NA	0	24.68
HP:0002069	Bilateral tonic-clonic seizure	CHEMBL3809595	NA	0	24.68
HP:0025101	Dysgenesis of the hippocampus	CHEMBL4208190	NA	0	23.90
HP:0008151	Prolonged prothrombin time	CHEMBL512351	BETRIXABAN	4	23.44
HP:0008151	Prolonged prothrombin time	CHEMBL206335	RAZAXABAN	0	23.44