

Product Name : Tideglusib

Synonyms : NP031112

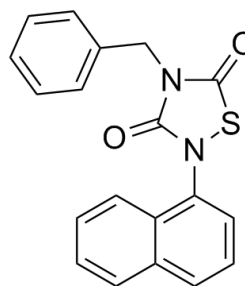
Cat No. : M16292

CAS Number : 865854-05-3

Molecular Formula : C₁₉H₁₄N₂O₂S

Formula Weight : 334.39

Chemical Name : 2-(1-naphthalenyl)-4-(phenylmethyl)-1,2,4-thiadiazolidine-3,5-dione



Description : Tideglusib is an irreversible, non ATP-competitive GSK-3 β inhibitor with IC₅₀ of 60 nM in a cell-free assay; fails to inhibit kinases with a Cys homologous to Cys-199 located in the active site. Phase 2.

Pathway : PI3K/Akt/mTOR signaling

Target : GSK-3

Receptor : GSK-3 β

Solubility : DMSO: 1 mg/mL (2.99 mM)

SMILES : O=C1N(CC2=CC=CC=C2)N(C3=C4C=CC=CC4=CC=C3)SC1=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Domínguez JM, et al. J Biol Chem, 2012, 287(2), 893-90