

Product Name : Doramapimod

Synonyms : BIRB 796;BIRB-796;BIRB796

Cat No. : M13869

CAS Number : 285983-48-4

Molecular Formula : C₃₁H₃₇N₅O₃

Formula Weight : 527.66

Chemical Name : Urea, N-[3-(1,1-dimethylethyl)-1-(4-methylphenyl)-1H-pyrazol-5-yl]-N'-[4-[2-(4-morpholinyl)ethoxy]-1-naphthalenyl]-

Description : A highly potent p38 MAPK inhibitor with K_d of 0.1 nM; displays no activity on ERK1, IKK2b, ZAP-70, EGFR, PKA, PKC, etc.; shows inhibition of TNF α inTHP.1 with IC₅₀ of 18 nM; orally active.

Pathway : MAPK/ERK Signaling

Target : p38 MAPK

Receptor : p38 α

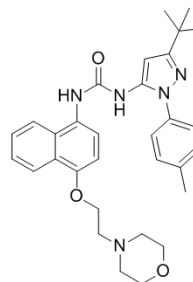
Solubility : 10 mM in DMSO

SMILES : O=C(NC1=C2C=CC=CC2=C(OCCN3CCOCC3)C=C1)NC4=CC(C)(C)C)=NN4C5=CC=C(C)C=C5

Storage : (-20°C)

Stability : \geq 2 years

Reference :



1. Pargellis C, et al. Nat Struct Biol. 2002 Apr;9(4):268-72.| 2. Regan J, et al. J Med Chem. 2002 Jul 4;45(14):2994-3008.| 3. Gruenbaum LM, et al. Biochem Pharmacol. 2009 Feb 1;77(3):422-32.