

Product Name : GSK-256066

Synonyms : GSK256066; GSK 256066

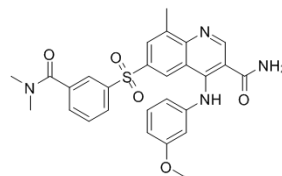
Cat No. : M16000

CAS Number : 801312-28-7

Molecular Formula : C₂₇H₂₆N₄O₅S

Formula Weight : 518.58

Chemical Name : 3-Quinolinecarboxamide, 6-[[3-[(dimethylamino)carbonyl]phenyl]sulfonyl]-4-[(3-methoxyphenyl)amino]-8-methyl-



Description : A potent, selective PDE4 inhibitor with pIC₅₀ of 11.5, 11.3, 11.4, and 11.9 for PDE4B, A, C, and D, respectively; displays >380,000-fold selectivity over PDE1/2/3/5/6/7; inhibits TNF α production by ILPS-stimulated human peripheral blood monocytes with IC₅₀ of 0.01 nM; inhibits LPS-induced pulmonary neutrophilia with ED₅₀ of 1.1 ug/kg (aqueous suspension) and 2.9 ug/kg (dry powder formulation) in rats. COPD Phase 2 Discontinued

Pathway : Angiogenesis

Target : PDE

Receptor : PDE4B

Solubility : DMSO: $\geq$ 5.2 mg/mL

SMILES : CC1=CC(=CC2=C(C(=CN=C12)C(=O)N)NC3=CC(=CC=C3)OC)S(=O)(=O)C4=CC=CC(=C4)C(=O)N(C)C

Storage : (-20°C)

Stability : $\geq$ 2 years

Reference :

1. Woodrow MD, et al. Bioorg Med Chem Lett. 2009 Sep 1;19(17):5261-5. | 2. Tralau-Stewart CJ, et al. J Pharmacol Exp Ther. 2011 Apr;337(1):145-54. | 3. Nials AT, et al. J Pharmacol Exp Ther. 2011 Apr;337(1):137-44.