



Product Information

SB-408124

Cat. No.: X23-12-YM562

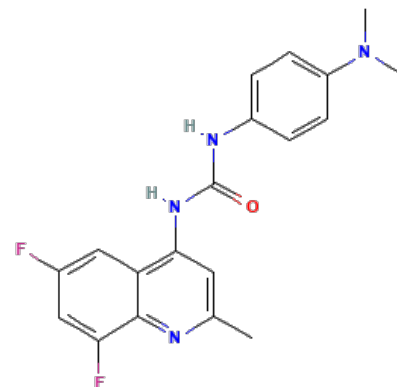
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 288150-92-5

Compound CID: 4331799

Synonym: 288150-92-5; SB408124; SB 408124

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	SB-408124, soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets OX1 (membrane), and OX1 (whole cell).
Molecular Weight	356.37
Molecular Formula	C ₁₉ H ₁₈ F ₂ N ₄ O
Targets	OX1 (membrane): 27 nM (Ki); OX1 (whole cell): 57 nM (Ki)
IUPAC Name	1-(6,8-Difluoro-2-methylquinolin-4-yl)-3-[4-(dimethylamino)phenyl]urea
InChI	InChI=1S/C19H18F2N4O/c1-11-8-17(15-9-12(20)10-16(21)18(15)22-11)24-19(26)23-13-4-6-14(7-5-13)25(2)3/h4-10H,1-3H3,(H2,22,23,24,26)
InChI Key	JTARFZSNUAGHRB-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=C2C=C(C=C(C2=N1)F)F)NC(=O)NC3=CC=C(C=C3)N(C)C
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 35 mg/mL (98.2 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SB-408124 can be used for its ability to target and block the OX1 receptor, which is involved in the regulation of sleep, appetite, energy expenditure, and other physiological processes.
Storage	Store at -20°C, and keep desiccated.