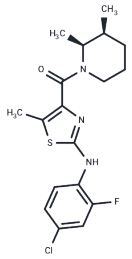
Data Sheet (Cat.No.T41232)

TargetMol

GSK 2833503A

Chemical Properties



CAS No. : 1366234-01-6

Formula: C18H21ClFN3OS

Molecular Weight: 381.9

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	GSK 2833503A is a potent and selective TRPC6 and TRPC3 antagonist (IC50 = 3-16 nM and 21-100 nM, respectively). GSK 2833503A exhibits >63-fold selectivity over other ion channels, including other TRP channels, CaV1.2, hERG and NaV1.5. GSK 2833503A suppresses angiotensin II or endothelin-1-induced cardiac hypertrophy signaling in HEK293 cellsin vitroand in cardiomyocytes.
Targets(IC50)	Others,TRP/TRPV Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6185 mL	13.0924 mL	26.1849 mL
5 mM	0.5237 mL	2.6185 mL	5.237 mL
10 mM	0.2618 mL	1.3092 mL	2.6185 mL
50 mM	0.0524 mL	0.2618 mL	0.5237 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Washburn et al (2013) The discovery of potent blockers of the canonical transient receptor channels, TRPC3 and TRPC6, based on an anilino-thiazole pharmacophore. Bioorg.Med.Chem.Lett. 23 4979 PMID: 23886683
Seo et al (2014) Combined TRPC3 and TRPC6 blockade by selective small-molecule or genetic deletion inhibits pathological cardiac hypertrophy. Proc.Natl.Acad.Sci.U.S.A. 111 1551 PMID: 24453217

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481