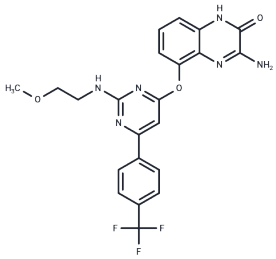
Data Sheet (Cat.No.T37732)

TargetMol

AMG 21629

Chemical Properties



CAS No. : 939040-79-6

Formula: C22H19F3N6O3

Molecular Weight: 472.42

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	Potent and selective TRPV1 antagonist. Blocks Ca2+ uptake by CHO cells expressing TRPV1 receptors and acid-induced Ca2+ uptake, respectively). Exhibits >4000-fold selectivity for TRPV1 over other TRP channels. Blocks capsaicin-induced flinch response and causes hyperthermia in rats. Orally available and non-CNS penetrant.
Targets(IC50)	Others,TRP/TRPV Channel

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1168 mL	10.5838 mL	21.1676 mL
5 mM	0.4234 mL	2.1168 mL	4.2335 mL
10 mM	0.2117 mL	1.0584 mL	2.1168 mL
50 mM	0.0423 mL	0.2117 mL	0.4234 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

Tamayo et al (2008) Design and synthesis of peripherally restricted transient receptor potential vanilloid 1 (TRPV1) antagonists. J.Med.Chem. 51 2744 PMID:18386885

Gavva et al (2007) The vanilloid receptor TRPV1 is tonically activated in vivo and involved in body temperature regulation. J.Neurosci. 27 3366 PMID:17392452

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