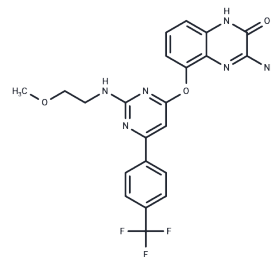


AMG 21629

Chemical Properties

CAS No. : 939040-79-6
Formula: C22H19F3N6O3
Molecular Weight: 472.42
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Potent and selective TRPV1 antagonist. Blocks Ca ²⁺ uptake by CHO cells expressing TRPV1 receptors and acid-induced Ca ²⁺ 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.
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Solubility Information

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

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

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481