

JKC363 TFA

Chemical Properties

CAS No. :

Formula: C71H93F3N19O18S2

Molecular Weight: 1620.73

Keep away from moisture

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	JKC363 TFA is a selective melanocortin MC4 receptor antagonist that exhibits a 90-fold higher affinity for the MC4 receptor (IC ₅₀ =0.5 nM) compared to the MC3 receptor (44.9 nM). This compound effectively inhibits the α -MSH-induced stimulation of TRH release. It also demonstrates an anti-hyperalgesic effect [1] [2].
Targets(IC50)	Melanocortin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.617 mL	3.085 mL	6.1701 mL
5 mM	0.1234 mL	0.617 mL	1.234 mL
10 mM	0.0617 mL	0.3085 mL	0.617 mL
50 mM	0.0123 mL	0.0617 mL	0.1234 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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