

## KOR agonist 4

## Chemical Properties

CAS No. :

Formula: C<sub>21</sub>H<sub>25</sub>N<sub>3</sub>

Molecular Weight: 319.44

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	KOR agonist 4 (compound 39) is an agonist targeting the $\kappa$ opioid receptor (Kappa Opioid Receptor) and activates G protein signaling. It has an EC <sub>50</sub> of 14 nM and an E <sub>max</sub> of 83% for binding to GTP $\gamma$ S. This compound demonstrates moderate to high intrinsic clearance in human liver cells and shows selectivity for the $\kappa$ opioid receptor over the $\mu$ (MOR) and $\delta$ (DOR) opioid receptors by factors of 60 and 810, respectively. KOR agonist 4 is useful for research into central nervous system (CNS) disorders.
Targets(IC50)	Opioid Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1305 mL	15.6524 mL	31.3048 mL
5 mM	0.6261 mL	3.1305 mL	6.261 mL
10 mM	0.313 mL	1.5652 mL	3.1305 mL
50 mM	0.0626 mL	0.313 mL	0.6261 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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