# Data Sheet (Cat.No.T26673)

TargetMol

AT-076

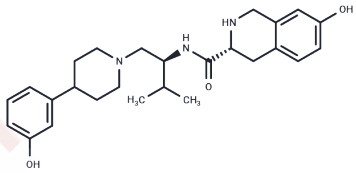
## Chemical Properties

CAS No. : 1657028-64-2

Formula: C26H35N3O3

Molecular Weight: 437.57

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 | AT-076 is a noncompetitive antagonist of the κ-opioid receptor (Ki = 1.14 nM) and nociceptin receptor (Ki = 1.75 nM) and a competitive antagonist of the μ-opioid receptor (Ki = 1.67 nM) and δ-opioid receptor (Ki = 19.6 nM). |
| Targets(IC50) | Others,Opioid Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.2853 mL | 11.4267 mL | 22.8535 mL |
| 5 mM | 0.4571 mL | 2.2853 mL | 4.5707 mL |
| 10 mM | 0.2285 mL | 1.1427 mL | 2.2853 mL |
| 50 mM | 0.0457 mL | 0.2285 mL | 0.4571 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

Zaveri NT, Journigan VB, Polgar WE. Discovery of the first small-molecule opioid pan antagonist with nanomolar affinity at mu, delta, kappa, and nociceptin opioid receptors. ACS Chem Neurosci. 2015 Apr 15;6(4):646-57. doi: 10.1021/cn500367b. Epub 2015 Feb 18. PubMed PMID: 25635572; PubMed Central PMCID: PMC4401318.



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