

QND8

Chemical Properties

CAS No. : 1778682-60-2
Formula: C₁₅H₁₈N₄O
Molecular Weight: 270.34
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	QND8 is a selective and potent agonist of the $\alpha 7$ nicotinic acetylcholine receptor (nAChR). It alleviates thermal hyperalgesia and mechanical allodynia in carrageenan-induced inflammatory pain in mice. QND8 also reduces paw swelling, inhibits the release of pro-inflammatory factors at inflammation sites, and prevents leukocyte infiltration. It is applicable in research on inflammatory and neurological diseases, like arthritis.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.699 mL	18.4952 mL	36.9905 mL
5 mM	0.7398 mL	3.699 mL	7.3981 mL
10 mM	0.3699 mL	1.8495 mL	3.699 mL
50 mM	0.074 mL	0.3699 mL	0.7398 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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