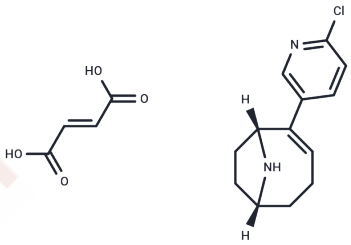
Data Sheet (Cat.No.T13241)

TargetMol

UB 165 fumarate

Chemical Properties



CAS No. : 2454492-43-2

Formula: C17H19ClN2O4

Molecular Weight: 350.8

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	UB 165 fumarate is an agonist of the nAChR, a partial agonist of the α4β2 subtype, and a full agonist of the α3β2 subtype, with a Ki value of 0.27 nM for binding to [3H]-nicotine measured in rat brain.
Targets(IC50)	AChR
In vitro	UB-165 fumarate exhibits an EC50 value of 88 nM for stimulating [3H]-dopamine release from striatal synaptosomes.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8506 mL	14.2531 mL	28.5063 mL
5 mM	0.5701 mL	2.8506 mL	5.7013 mL
10 mM	0.2851 mL	1.4253 mL	2.8506 mL
50 mM	0.057 mL	0.2851 mL	0.5701 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

Sharples CG, et al. UB-165: a novel nicotinic agonist with subtype selectivity implicates the alpha4beta2* subtype in the modulation of dopamine release from rat striatal synaptosomes. J Neurosci. 2000 Apr 15;20(8):2783-91.

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