

WAY-382818

Chemical Properties

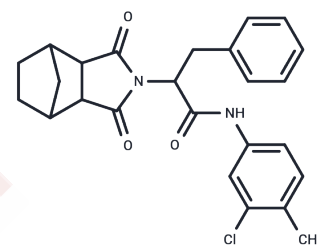
CAS No. : 1022922-35-5

Formula: C₂₅H₂₅ClN₂O₃

Molecular Weight: 436.93

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	WAY-382818 serves as a key synthetic intermediate for the preparation of a wide range of biologically and chemically active compounds. WAY-382818 enables the development of functionalized derivatives and complex molecular scaffolds, therefore contributing to advanced research in biomedical and pharmaceutical sciences, as well as mechanistic studies in organic and medicinal chemistry.
Targets(IC50)	Others
In vivo	In preclinical rodent models, WAY-382818 demonstrates diverse therapeutic potential: it significantly promotes the regression of endometriotic lesions in rats by suppressing inflammation and angiogenesis without adversely affecting the ovarian cycle or fertility. Simultaneously, in mouse behavioral assays, the molecule exhibits robust anxiolytic and antidepressant-like activities mediated by ERβ in the hippocampus and amygdala.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2887 mL	11.4435 mL	22.887 mL
5 mM	0.4577 mL	2.2887 mL	4.5774 mL
10 mM	0.2289 mL	1.1443 mL	2.2887 mL
50 mM	0.0458 mL	0.2289 mL	0.4577 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

Malamas M S, et al. Design and synthesis of aryl diphenolic azoles as potent and selective estrogen receptor- β ligands[J]. Journal of medicinal chemistry, 2004, 47(21): 5021-5040.

Mhyre A J, et al. Estrogen activates rapid signaling in the brain: role of estrogen receptor α and estrogen receptor β in neurons and glia[J]. Neuroscience, 2006, 138(3): 851-858.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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