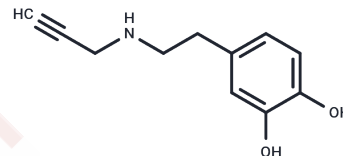


DAyne

Chemical Properties

CAS No. : 1866495-46-6
 Formula: C₁₁H₁₃NO₂
 Molecular Weight: 191.23
 Storage: Keep away from direct sunlight
 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	DAyne is a probe that mimics dopamine (DA). It covalently binds to proteins modified by dopamine oxidation products, such as dopaminoquinone (DQ), forming adducts. DAyne holds potential for Parkinson's disease (PD) research, particularly regarding neurotoxicity, protein modification, and related pathways (e.g., endoplasmic reticulum stress, cytoskeletal instability) caused by dopamine dysregulation.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2293 mL	26.1465 mL	52.2931 mL
5 mM	1.0459 mL	5.2293 mL	10.4586 mL
10 mM	0.5229 mL	2.6147 mL	5.2293 mL
50 mM	0.1046 mL	0.5229 mL	1.0459 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

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