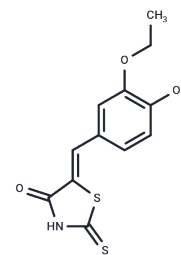


RD0392

Chemical Properties

CAS No. : 1287651-83-5
 Formula: C₁₂H₁₁NO₃S₂
 Molecular Weight: 281.35
 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	RD0392 is a highly potent competitive inhibitor of DYRK1A, with an IC ₅₀ of 1.3 nM, and has potential application value in research on neurodegenerative diseases such as Alzheimer's disease.
Targets(IC ₅₀)	DYRK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5543 mL	17.7715 mL	35.5429 mL
5 mM	0.7109 mL	3.5543 mL	7.1086 mL
10 mM	0.3554 mL	1.7771 mL	3.5543 mL
50 mM	0.0711 mL	0.3554 mL	0.7109 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

Suzuki S, et al. Temperature vaulting: A method for screening of slow- and tight-binding inhibitors that selectively target kinases in their non-native state. Eur J Med Chem. 2025 Oct 5;295:117789.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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