

(Rac)-RK-682

Chemical Properties

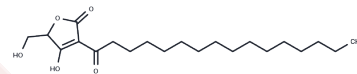
CAS No. : 154639-24-4

Formula: C₂₁H₃₆O₅

Molecular Weight: 368.51

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	(Rac)-RK-682 is a racemic mixture that functions as a protein tyrosine phosphatases (PTPases) inhibitor, specifically targeting protein tyrosine phosphatase 1B (PTP-1B), low molecular weight protein tyrosine phosphatases (LMW-PTP), and cell division cycle 25B (CDC-25B), with inhibitory concentrations (IC ₅₀ s) of 8.6 μM, 12.4 μM, and 0.7 μM, respectively [1].
Targets(IC ₅₀)	Others,Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7136 mL	13.5682 mL	27.1363 mL
5 mM	0.5427 mL	2.7136 mL	5.4273 mL
10 mM	0.2714 mL	1.3568 mL	2.7136 mL
50 mM	0.0543 mL	0.2714 mL	0.5427 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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