

Rf470 TFA

Chemical Properties

CAS No. : 2369899-34-1

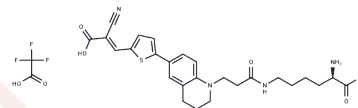
Formula: C₂₈H₃₁F₃N₄O₇S

Molecular Weight: 624.63

Keep away from direct sunlight

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	Rf470 (Rotor NO.4) TFA is an FMR-probe-D-lysine conjugate (Max Ex: 470 nM; Max Em: 640 nM) that can be covalently integrated into bacterial peptidoglycan. In its free state, Rf470 TFA exhibits weak fluorescence, which significantly increases upon integration into peptidoglycan by transpeptidase catalysis. This fluorescence change allows Rf470 TFA to be used for real-time monitoring of peptidoglycan biosynthesis, detecting transpeptidase activity, and screening antibiotics.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6009 mL	8.0047 mL	16.0095 mL
5 mM	0.3202 mL	1.6009 mL	3.2019 mL
10 mM	0.1601 mL	0.8005 mL	1.6009 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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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