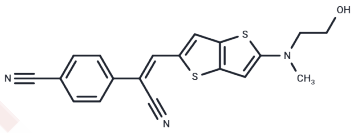
Data Sheet (Cat.No.T19352)

TargetMol

HBC620

Chemical Properties



CAS No. : 2530162-07-1

Formula: C19H15N3OS2

Molecular Weight: 365.47

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	HBC620 shows brightly fluoresced in the Pepper bound state and can be visualize RNA dynamics in live cells. HBC620 is a HBC-like fluorophore.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10.00 3.66 mg/mL (10 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7362 mL	13.681 mL	27.362 mL
5 mM	0.5472 mL	2.7362 mL	5.4724 mL
10 mM	0.2736 mL	1.3681 mL	2.7362 mL
50 mM	0.0547 mL	0.2736 mL	0.5472 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

Zheng Y, Chai R, Wang T, et al.RNA polymerase stalling-derived genome instability underlies ribosomal antibiotic efficacy and resistance evolution.Nature Communications.2024, 15(1): 6579.
Chen X, et al. Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. Nat Biotechnol. 2019 Nov;37(11):1287-1293.

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