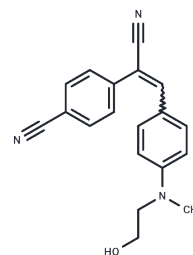


HBC

Chemical Properties

CAS No. : 156840-13-0
Formula: C₁₉H₁₇N₃O
Molecular Weight: 303.36
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	HBC (HBC 530) 530 is a mimic of green fluorescent protein (GFP) fluorophore for imaging RNA in live cells. Fluoresces when bound to Pepper aptamer; displays high affinity binding ($K_d = 3.5$ nM). Suitable for confocal and two-photon microscopy. Confocal excitation maximum = 488 nm, emission maximum= 495 - 595 nm. Two-photon excitation maximum = 976 nm, emission maximum= 475 - 575 nm.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (164.8 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2964 mL	16.4821 mL	32.9641 mL
5 mM	0.6593 mL	3.2964 mL	6.5928 mL
10 mM	0.3296 mL	1.6482 mL	3.2964 mL
50 mM	0.0659 mL	0.3296 mL	0.6593 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.

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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