

## Cyanine5-C6-DBCO Hexafluorophosphate

## Chemical Properties

CAS No. : 2360411-64-7

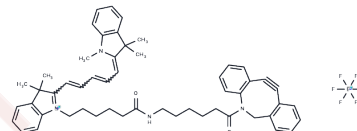
Formula: C<sub>53</sub>H<sub>59</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>P

Molecular Weight: 929.03

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	Cyanine5-C6-DBCO Hexafluorophosphate is a near-infrared fluorescent dye with a DBCO group. It enables copper-free click chemistry for bioorthogonal labeling of azide-tagged biomolecules.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 100 mg/mL (107.64 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0764 mL	5.382 mL	10.7639 mL
5 mM	0.2153 mL	1.0764 mL	2.1528 mL
10 mM	0.1076 mL	0.5382 mL	1.0764 mL
50 mM	0.0215 mL	0.1076 mL	0.2153 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

Meissner A, et al. Structure-activity relationships of 2-aminothiazoles effective against Mycobacterium tuberculosis. *Bioorg Med Chem.* 2013 Nov 1;21(21):6385-97.

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