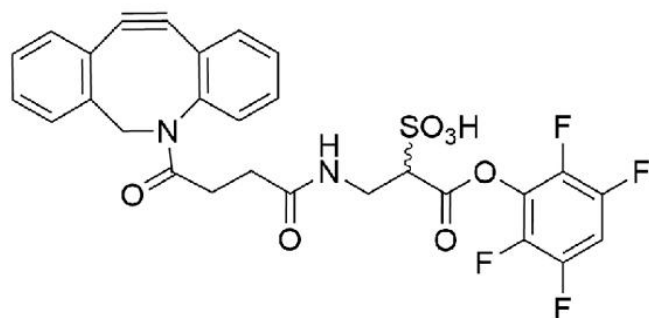




SULFO DBCO-TFP ESTER

SKU: CCT-1400



DESCRIPTION

Sulfo DBCO-TFP Ester is a water-soluble, amine-reactive labeling reagent that enables simple and efficient incorporation of Sulfo DBCO moiety onto amine-containing molecules. The hydrophilic, sulfonated spacer arm greatly improves water solubility of DBCO derivatized molecules, in many cases making them completely soluble in aqueous media. A short spacer arm adds minimal mass to modified molecules.

2,3,5,6-tetrafluorophenyl (TFP) esters is another type of carboxylic acid derivative that react with primary amines forming covalent amide bond. The amine linkage bond is identical to one formed by the reaction between primary amines and NHS esters or sulfo-NHS esters. However, in most cases, TFP ester displays much better stability toward hydrolysis in aqueous media resulting in more efficiency and better reproducible labeling of biopolymers.

DBCO reagents are the most commonly used substrates for copper-free click chemistry reactions. DBCO compounds react with azide functionalized compounds or biomolecules without the need for a Cu(I) catalyst to result in a stable triazole linkage.

SPECIFICATIONS

CAS Number

2268816-76-6

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

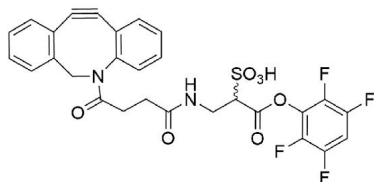


Molecular Weight	733.78
Molecular Formula	C ₃₆ H ₃₉ F ₄ N ₃ O ₇ S
Appearance	White to slightly grey amorphous solid
Chemical Formula	C ₃₆ H ₃₉ F ₄ N ₃ O ₇ S
Purity	>95% (HPLC)
Unit Size	10 mg, 25 mg, 100 mg, 500 mg
Solubility	DMSO, DMF, DCM, THF, Chloroform, Water
Storage Instructions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES



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