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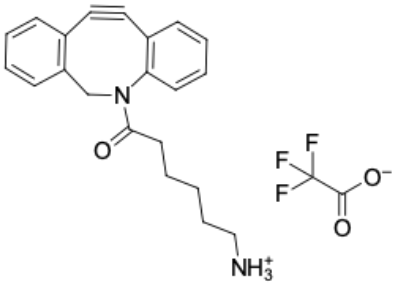
DBCO-amine trifluoroacetate

http://www.lumiprobe.com/p/dbco-amine

Bifunctional linker containing dibenzocyclooctyne (DBCO, ADIBO) for strain-promoted copper-free click reaction (SPAAC) and free amine for the coupling with various electrophilic compounds like activated esters and epoxides.

Dibenzocyclooctyne (ADIBO, DBCO) is one of the most reactive cycloalkynes for strain-promoted alkyne azide cycloaddition (SPAAC) – a copper-free click chemistry reaction. DBCO reacts instantly with azides. The reaction rate is much higher than that of copper-catalyzed reaction, and reactions with many other cyclooctynes. Unlike some other cyclooctynes, DBCO does not react with tetrazines.



Structure of DBCO-amine trifluoroacetate

General properties

Appearance:	beige to brawn solid
Molecular weight:	432.44
Molecular formula:	$C_{23}H_{23}F_3N_2O_3$
Solubility:	good in DMF, DMSO, DCM
Quality control:	NMR ^1H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.