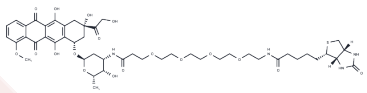
Data Sheet (Cat.No.T87869)

TargetMol

Dox-btn2

Chemical Properties



CAS No. : 3026061-31-1

Formula: C48H64N4O18S

Molecular Weight: 1017.1

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	Dox-btn2, a biotinylated derivative of Doxorubicin with a biotin label attached at the 3'-NH2 position, can be utilized for cell imaging. Unlike Doxorubicin, which primarily accumulates in the nucleus, Dox-btn2 is predominantly found in the cytoplasm [1].
Targets(IC50)	Apoptosis,Mitophagy,HIV Protease,Antibacterial,Antibiotic,AMPK,Autophagy,ADC Cytotoxin,HBV,Topoisomerase
In vitro	Dox-btn2 (1 μM; 6 h; Exc=531/40 nm, Emi=593/40 nm) enables visualization in U2OS cells, assisting in mapping the in-situ interactions with DNA and chromatin proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9832 mL	4.9159 mL	9.8319 mL
5 mM	0.1966 mL	0.9832 mL	1.9664 mL
10 mM	0.0983 mL	0.4916 mL	0.9832 mL
50 mM	0.0197 mL	0.0983 mL	0.1966 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481