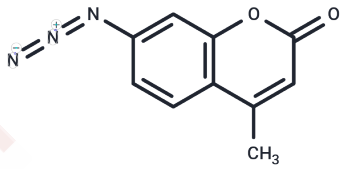
Data Sheet (Cat.No.T37000)

TargetMol

7-Azido-4-methylcoumarin

Chemical Properties



CAS No. : 95633-27-5

Formula: C10H7N3O2

Molecular Weight: 201.18

Storage: Store at low temperature
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	7-Azido-4-methylcoumarin (7-azido-4-methyl-2H-chromen-2-one) is a fluorescent photoactive probe used in the study of human phenol sulfotransferase (SULT1A1 or P-PST-1) substrate binding sites through photoaffinity labeling.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 41.67 mg/mL (207.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9707 mL	24.8534 mL	49.7067 mL
5 mM	0.9941 mL	4.9707 mL	9.9413 mL
10 mM	0.4971 mL	2.4853 mL	4.9707 mL
50 mM	0.0994 mL	0.4971 mL	0.9941 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

Chen G, et al. Photoaffinity labeling probe for the substrate binding site of human phenol sulfotransferase (SULT1A1): 7-azido-4-methylcoumarin. Protein Sci. 1999 Oct;8(10):2151-7.

Senay C, et al. Photoaffinity labeling of the aglycon binding site of the recombinant human liver UDP-glucuronosyltransferase UGT1A6 with 7-azido-4-methylcoumarin. Arch Biochem Biophys. 1999 Aug 1;368(1):75-84.