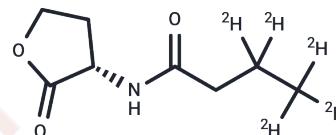


N-butyryl-L-Homoserine lactone-D5

Chemical Properties

CAS No. :	2701379-46-4
Formula:	C ₈ H ₁₃ NO ₃
Molecular Weight:	176.23
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	N-butyryl-L-Homoserine lactone-D5 is a deuterated version of N-butyryl-L-Homoserine lactone (T18408). Serving as a cleavable ADC linker, N-Butanoyl-L-homoserine lactone (C4-HSL) is employed in the synthesis of antibody-drug conjugates (ADCs). This compound also exhibits antimicrobial activity, making it useful in combating bacterial biofilms. Additionally, N-Butanoyl-L-homoserine lactone aptamers are employed to inhibit quorum sensing and prevent the formation of Pseudomonas aeruginosa biofilms.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6744 mL	28.372 mL	56.744 mL
5 mM	1.1349 mL	5.6744 mL	11.3488 mL
10 mM	0.5674 mL	2.8372 mL	5.6744 mL
50 mM	0.1135 mL	0.5674 mL	1.1349 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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