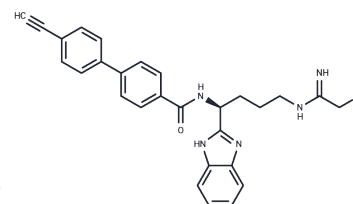


BB-Cl-Yne

Chemical Properties

CAS No. :	2219324-71-5
Formula:	C ₂₈ H ₂₆ ClN ₅ O
Molecular Weight:	483.99
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	BB-Cl-Yne is a cell-permeable derivative of the protein arginine deiminase (PAD) inhibitor BB-Cl-amidine that contains an alkyne moiety for use in click chemistry reactions. BB-Cl-Yne inhibits PAD1-4 with Kinact/KI values of 6,400, 3,600, 10,800, and 4,900 M ⁻¹ min ⁻¹ , respectively. It has been used for labeling PADs in cell-free and cell-based assays, followed by click reactions with azide-modified TAMRA or biotin reporters.
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Solubility Information

Solubility	DMF: 20 mg/mL DMSO: 5 mg/mL DMF:PBS (pH 7.2) (1:5): 0.16 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0662 mL	10.3308 mL	20.6616 mL
5 mM	0.4132 mL	2.0662 mL	4.1323 mL
10 mM	0.2066 mL	1.0331 mL	2.0662 mL
50 mM	0.0413 mL	0.2066 mL	0.4132 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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