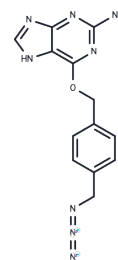


BGN3

Chemical Properties

CAS No. :	1151762-33-2
Formula:	C ₁₃ H ₁₂ N ₈ O
Molecular Weight:	296.294
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	BGN3 is a suitable substrate for both SNAP-tag and H 5 enzymes, exhibiting reasonable activities with IC ₅₀ values of 15.6 μM and 23.5 μM, respectively.
Targets(IC ₅₀)	Others
In vitro	Substrate specificity of SNAP- tag ? and H 5 by competitive inhibition method (IC ₅₀) by using SVG as substrate[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3751 mL	16.8754 mL	33.7507 mL
5 mM	0.675 mL	3.3751 mL	6.7501 mL
10 mM	0.3375 mL	1.6875 mL	3.3751 mL
50 mM	0.0675 mL	0.3375 mL	0.675 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

Merlo R, et al. The SNAP-tag technology revised: an effective chemo-enzymatic approach by using a universal azide-based substrate. J Enzyme Inhib Med Chem. 2021;36(1):85-97.

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