

PYCR1-IN-1

Chemical Properties

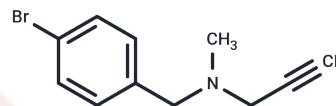
CAS No. : 709-85-3

Formula: C₁₁H₁₂BrN

Molecular Weight: 238.12

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	PYCR1-IN-1 (compound 4) is an inhibitor of pyrroline-5-carboxylate reductase 1 (PYCR1) with an IC ₅₀ value of 8.8 μM and exhibits anticancer properties [1].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1996 mL	20.9978 mL	41.9956 mL
5 mM	0.8399 mL	4.1996 mL	8.3991 mL
10 mM	0.420 mL	2.0998 mL	4.1996 mL
50 mM	0.084 mL	0.420 mL	0.8399 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

Milne K, et al. A fragment-like approach to PYCR1 inhibition. *Bioorg Med Chem Lett.* 2019 Sep 15;29(18):2626-2631.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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