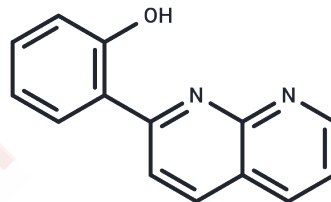


2-(1,8-naphthyridin-2-yl)phenol

Chemical Properties

CAS No. :	65182-56-1
Formula:	C14H10N2O
Molecular Weight:	222.24
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2-NP is a STAT1 enhancer.
Targets(IC50)	STAT,HSV,JAK

Solubility Information

Solubility	DMSO: 29.8 mg/mL (134.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 2.98 mg/mL (13.41 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.98 mg/mL (13.41 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4996 mL	22.4982 mL	44.9964 mL
5 mM	0.8999 mL	4.4996 mL	8.9993 mL
10 mM	0.450 mL	2.2498 mL	4.4996 mL
50 mM	0.090 mL	0.450 mL	0.8999 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

Lynch RA, et al. Y Res. 2007 Feb 1;67(3):1254-61.

Li H, Ou J, Li Y, et al. ISX-9 potentiates CaMKII δ -mediated BMAL1 activation to enhance circadian amplitude. Communications Biology. 2022, 5(1): 1-13.

Zheng Z, Zhao M, Xu Y, et al. Resolvin D2/GPR 18 axis ameliorates pressure overload-induced heart failure by inhibiting pro-inflammatory macrophage polarization. Journal of Lipid Research. 2024: 100679.

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