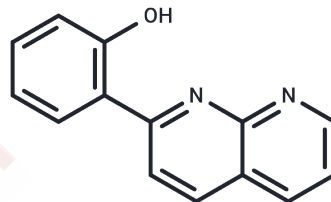


2-(1,8-naphthyridin-2-yl)phenol

Chemical Properties

CAS No. :	65182-56-1
Formula:	C ₁₄ H ₁₀ N ₂ O
Molecular Weight:	222.24
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

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

Solubility Information

Solubility	DMSO: 18.33 mg/mL (82.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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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