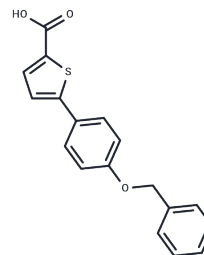


## Nurr1 agonist 2

## Chemical Properties

CAS No. :	742058-34-0
Formula:	C18H14O3S
Molecular Weight:	310.37
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	Nurr1 agonist 2 is a Nurr1 agonist with an EC50 value of 0.07 $\mu$ M. Nurr1 agonist 2 increases the mRNA expression of the Nurr1-regulated genes tyrosine hydroxylase (TH) and vesicular amino acid transporter 2 (VMAT2). Nurr1 agonist 2 binds to the recombinant Nurr1 ligand-binding domain (LBD) with a Kd of 0.14 $\mu$ M. Nurr1 agonist 2 can be used to study parkinsonism.
Targets(IC50)	Others,NR4A

## Solubility Information

Solubility	DMSO: 5 mg/mL (16.11 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	3.222 mL	16.1098 mL	32.2196 mL
5 mM	0.6444 mL	3.222 mL	6.4439 mL
10 mM	0.3222 mL	1.611 mL	3.222 mL
50 mM	0.0644 mL	0.3222 mL	0.6444 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

Ballarotto M, et al. De Novo Design of Nurr1 Agonists via Fragment-Augmented Generative Deep Learning in Low-Data Regime. J Med Chem. 2023 Jun 22;66(12):8170-8177.

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