

## ERRy agonist-1

## Chemical Properties

CAS No. :

Formula: C17H21N5O

Molecular Weight: 311.38

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	ERRy agonist-1 can be used in neuropsychological disorders research. ERRy agonist-1 increases the ERRy transcriptional activities that is a potent agonist of ERRy [1].
Targets(IC50)	Estrogen Receptor/ERR,Others
In vitro	ERRy agonist-1 (Compound 5d), at a concentration of 5 $\mu$ M over three days, significantly enhances the expression of markers for dopaminergic neuron phenotype, namely tyrosine hydroxylase (TH) and dopamine transporter (DAT), in SH-SY5Y neuroblastoma cells [1]. This elevation in dopaminergic markers is attributed to ERRy agonist-1's activation of the CREB-signaling pathway, leading to an induction of dopaminergic neuronal phenotypes. Western Blot analysis confirms the increased levels of TH and DAT in SH-SY5Y cells under these conditions [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2115 mL	16.0576 mL	32.1151 mL
5 mM	0.6423 mL	3.2115 mL	6.423 mL
10 mM	0.3212 mL	1.6058 mL	3.2115 mL
50 mM	0.0642 mL	0.3212 mL	0.6423 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.

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