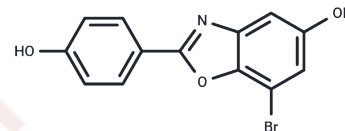


WAY-200070

## Chemical Properties

CAS No. : 440122-66-7  
 Formula: C<sub>13</sub>H<sub>8</sub>BrNO<sub>3</sub>  
 Molecular Weight: 306.11  
 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	WAY-200070 is a specific agonist of estrogen receptor $\beta$ (ERR $\beta$ , IC <sub>50</sub> : 2.3 nM).
Targets(IC <sub>50</sub> )	Estrogen Receptor/ERR,Estrogen/progestogen Receptor
In vivo	In vivo, it is commonly added covalently to the N-terminus of proteins in a co-translational process termed N-myristoylation. In addition, there are examples where N-myristoylation occurs post-translationally, when a hidden myristoylation pattern is exposed.

## Solubility Information

Solubility	DMSO: 50 mg/mL (163.34 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	3.2668 mL	16.334 mL	32.668 mL
5 mM	0.6534 mL	3.2668 mL	6.5336 mL
10 mM	0.3267 mL	1.6334 mL	3.2668 mL
50 mM	0.0653 mL	0.3267 mL	0.6534 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

Hughes ZA, et al. WAY-22020070, a selective agonist of estrogen receptor beta as a potential novel anxiolytic/antidepressant agent. *Neuropharmacology*. 2008 Jun;54(7):1136-42.

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Clipperton AE, et al. Differential effects of estrogen receptor alpha and beta specific agonists on social learning of food preferences in female mice. *Neuropsychopharmacology*. 2008 Sep;33(10):2362-75.

Weiser MJ, et al. Estrogen receptor-beta agonist diarylpropionitrile: biological activities of R- and S-enantiomers on behavior and hormonal response to stress. *Endocrinology*. 2009 Apr;150(4):1817-25.

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