

## AhR agonist 2

## Chemical Properties

CAS No. :

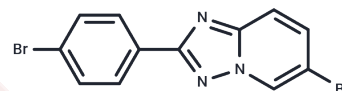
Formula: C<sub>12</sub>H<sub>7</sub>Br<sub>2</sub>N<sub>3</sub>

Molecular Weight: 353.01

Store at low temperature

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	AhR agonist 2 is a triazolopyridine derivative and novel aryl hydrocarbon receptor (AhR) agonist with the advantages of being orally bioavailable and highly potent (EC <sub>50</sub> =0.03 nM), inducing rapid nuclear enrichment of the AhR and facilitating skin barrier repair for the treatment of psoriasis.
Targets(IC50)	AhR,Aryl Hydrocarbon Receptor

## Solubility Information

Solubility	DMSO: 16 mg/mL (45.32 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	2.8328 mL	14.1639 mL	28.3278 mL
5 mM	0.5666 mL	2.8328 mL	5.6656 mL
10 mM	0.2833 mL	1.4164 mL	2.8328 mL
50 mM	0.0567 mL	0.2833 mL	0.5666 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

Tian C, et al. Identification of triazolopyridine derivatives as a new class of AhR agonists and evaluation of anti-psoriasis effect in a mouse model. Eur J Med Chem. 2022;231:114122.

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