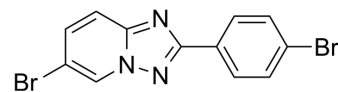


## AhR agonist 2

Cat. No.:	HY-144339		
CAS No.:	2975270-19-8		
Molecular Formula:	C <sub>12</sub> H <sub>7</sub> Br <sub>2</sub> N <sub>3</sub>		
Molecular Weight:	353.01		
Target:	Aryl Hydrocarbon Receptor		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20.83 mg/mL (59.01 mM; ultrasonic and warming and heat to 70°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

AhR agonist 2 (Compound 12a) is a potent agonist of aryl hydrocarbon receptor (AhR) with an EC<sub>50</sub> of 0.03 nM. AhR agonist 2 induces rapid nuclear enrichment of AhR, triggers the transcription of downstream genes and promote skin barrier repair. AhR agonist 2 has the potential for the research of psoriasis<sup>[1]</sup>.

### REFERENCES

[1]. 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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