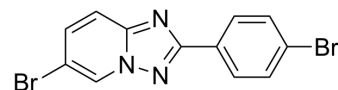


AhR agonist 2

Cat. No.:	HY-144339		
Molecular Formula:	C ₁₂ H ₇ Br ₂ N ₃		
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	1 mg	5 mg	10 mg
	Mass			
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 EC₅₀ 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^[1].

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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA