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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

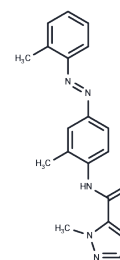
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CH-223191

Chemical Properties

CAS No. :	301326-22-7
Formula:	C19H19N5O
Molecular Weight:	333.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CH-223191 is a potent and specific antagonist for aryl hydrocarbon receptor (AhR).
Targets(IC50)	AhR,Aryl Hydrocarbon Receptor
In vitro	Daily oral administration of 10 mg/kg CH-223191 effectively prevents cytochrome P450 induction, wasting syndrome, and hepatotoxicity in mice caused by exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin.
In vivo	CH-223191 downregulates the TGF- β /Smad pathway in human glioblastoma cells, consequently reducing clonogenic survival and invasiveness. In neuron cells derived from human SK-N-SH, it counteracts the suppression of neuronal acetylcholinesterase expression induced by TCDD. Moreover, CH-223191 blocks the nuclear translocation and DNA binding of AhR mediated by TCDD and also inhibits the activation of cytochrome P450 enzyme activity induced by TCDD. Additionally, CH-223191 enhances the expression of ICAM-1 in endothelial cells and prevents the nuclear translocation of RelB.

Solubility Information

Solubility	Ethanol: 3.3 mg/mL (10 mM), DMSO: 60 mg/mL (179.97 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9995 mL	14.9975 mL	29.9949 mL
5 mM	0.5999 mL	2.9995 mL	5.999 mL
10 mM	0.2999 mL	1.4997 mL	2.9995 mL
50 mM	0.060 mL	0.2999 mL	0.5999 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.

Reference

Kim SH, et al. Mol Pharmacol. 2006, 69(6), 1871-1878.

Wang K, Lv Q, Miao Y, et al. Cardamonin, a natural flavone, alleviates inflammatory bowel disease by the

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481