

Product Information

AhR inhibitor, CH-223191, Purity ≥98%

Cat. No.: X24-09-YM452

Size: 5 mg; 10 mg; 25 mg; 50 mg

MDL: MFCD00377884

CAS Number: 301326-22-7

Compound CID: 3091786

Synonym: 301326-22-7; CH223191; CH 223191;

1-Methyl-*N*

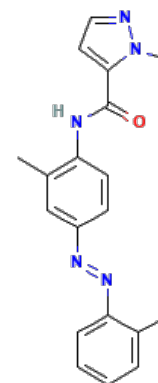
-[2-methyl-4-[2-(2-methylphenyl)diazenyl]phenyl-1*H*-pyrazole-5-carboxamide;

2-Methyl-2*N*-pyrazole-3-carboxylic acid (2-methyl-4-*O*-tolylazo-phenyl)-amide;

2-Methyl-*N*-[2-methyl-4-[(2-methylphenyl)diazenyl]phenyl]pyrazole-3-carboxamide;

AhR inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	CH-223191, soluble in DMSO and ethanol and insoluble in water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting AhR. The molecular weight of the compound is 333.39, and its molecular formula is C ₁₉ H ₁₉ N ₅ O. It targets the AhR.
Molecular Weight	333.39
Molecular Formula	C ₁₉ H ₁₉ N ₅ O
Targets	AhR
IUPAC Name	2-Methyl- <i>N</i> -[2-methyl-4-[(2-methylphenyl)diazenyl]phenyl]pyrazole-3-carboxamide
InChI	InChI=1S/C19H19N5O/c1-13-6-4-5-7-17(13)23-22-15-8-9-16(14(2)12-15)21-19(25)18-10-11-20-24(18)3/h4-12H,1-3H3,(H,21,25)
InChI Key	LKTNEXPODAWWFM-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=CC=C1N=NC2=CC(=C(C=C2)NC(=O)C3=CC=NN3C)C
Isomeric SMILES	C1=CC(=CC=C1/C=C/C2=CC(=CC(=C2)C)C)C
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.



Solubility	<i>In vitro</i> : DMSO: 61 mg/mL (182.96 mM); Water: insoluble; Ethanol: warmed: 4 mg/mL (11.99 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	CH-223191 plays a key role in studying AHR-related signaling pathways, particularly in cancer, immunology, and toxicology.
Storage	Store at -20°C, and keep desiccated.
