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## CH223191

产品编号: D51150

CAS: 301326-22-7

分子式: C<sub>19</sub>H<sub>19</sub>N<sub>5</sub>O

纯度: ≥98%

InChi: InChI=1S/C<sub>19</sub>H<sub>19</sub>N<sub>5</sub>O/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)/b23-22+

InChi Key: LKTNEXPODAWWFM-GHVJWSGMSA-N

Smiles: CC1C=CC=CC=1/N=N/C1=CC(C)=C(C=C1)NC(=O)C1=CC=NN1C

外观: 固体粉末

作用通路: Aryl Hydrocarbon Receptor

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: CH223191 is a potent and specific aryl hydrocarbon receptor (AhR) antagonist. CH223191 can prevent 2,3,7,8-TCDD-induced toxicity by antagonizing the aryl hydrocarbon receptor. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) is a widespread environmental pollutant with many toxic effects, including endocrine disruption, reproductive dysfunction, immunotoxicity, liver damage, and cancer. CH223191 potently inhibits TCDD-induced AhR-dependent transcription. In addition, CH-223191 blocked the binding of TCDD to AhR and inhibited TCDD-mediated nuclear translocation and DNA binding of AhR. These inhibitory effects of CH-223191 prevented the expression of cytochrome P450 enzymes, target genes of the AhR. CH-223191, may be a useful agent for the study of AhR-mediated signal transduction and the prevention of TCDD-associated pathology.