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## YM 90709

产品编号: D51239

CAS: 163769-88-8

分子式: C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>/c1-22(2)12-13-9-19(26-3)20(27-4)10-14(13)18-11-17-21(25(18)22)24-16-8-6-5-7-15(16)23-17/h5-11H,12H<sub>2</sub>,1-4H<sub>3</sub>

InChi Key: HIXSPVQXXDULHS-UHFFFAOYSA-N

Smiles: CC1(C)CC2C=C(OC)C(=CC=2C2=CC3=NC4=CC=CC=C4N=C3N12)OC

外观: 固体粉末

作用通路: Interleukin Related

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: YM-90709 is an interleukin-5 receptor antagonist. YM-90709 inhibits the binding of IL-5 to its receptor on peripheral human eosinophils and butyric acid-treated eosinophilic HL-60 clone 15 cells, with IC<sub>50</sub> values of 1.0 and 0.57 microM, respectively. In functional assays, YM-90709 inhibited IL-5-prolonged eosinophil survival with an IC<sub>50</sub> value of 0.45 microM and did not affect the GM-CSF-prolonged eosinophil survival. Furthermore, YM-90709 inhibited the IL-5-induced but not GM-CSF-induced tyrosine phosphorylation of Janus kinase 2 (JAK2) in eosinophilic HL-60 clone 15 cells.