
1-methyl-D-tryptophan (D-1MT)

产品编号: D50948

CAS: 110117-83-4

分子式: C₁₂H₁₄N₂O₂

纯度: ≥98%

InChi: InChI=1S/C₁₂H₁₄N₂O₂/c1-14-7-8(6-10(13)12(15)16)9-4-2-3-5-11(9)14/h2-5,7,10H,6,13H2,1H3
,(H,15,16)/t10-/m1/s1

InChi Key: ZADWXSZEAPBJS-SNVBAGLBSA-N

Smiles: CN1C=C(C[C@@H](N)C(O)=O)C2=CC=CC=C12

外观: 固体粉末

作用通路: Indoleamine 2, 3-Dioxygenase (IDO)

溶解性: H₂O : 5 mg/mL (22.91 mM; ultrasonic and adjust pH to 2 with HCl), 5 mM (warming); DMSO :
0.55 mg/mL (2.52 mM; Need ultrasonic and warming).

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

产品介绍: 1-methyl-D-tryptophan (D-1MT) is a potent and selective indoleamine 2, 3-dioxygenase (IDO) inhibitor with IC₅₀ ~7 μM. It disrupts tryptophan catabolism and enhances the antitumor and antiviral immunoresponses of CD8⁺ T-cells in vitro. It can reduce tumor volume in mice with xenografts overexpressing IDO.