

产品名称 : Cipepofol

同义词 : ——

产品货号 : M34620

CAS Number : 1637741-58-2

分子式 : C₁₄H₂₀O

分子量 : 204.31

化学全名 : ——

产品描述 : Cipepofol (Ciprofol), a novel 2,6-disubstituted phenol derivative, is a positive allosteric modulator and direct agonist of the GABAA receptor. Cipepofol can cause the central nerve inhibition and promote sleep based on the structural modification of Propofol (HY-B0649). Cipepofol can activate the sirtuin1 (Sirt1)/Nrf2 pathway. Cipepofol protects the heart against Isoproterenol (ISO; HY-B0468)-induced myocardial infarction by reducing cardiac oxidative stress, inflammatory response and cardiomyocyte apoptosis.

通路 : Apoptosis

靶点 : Apoptosis

受体 : Apoptosis | GABA Receptor

溶解度 : In Vitro: ?DMSO 中的溶解度 : 100 mg/mL (489.45 mM; 超声助溶)

SMILES : [C@H](C)(C1=C(O)C(C(C)C)=CC=C1)C2CCC2

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. Ming Lu, et al. Ciprofol: A Novel Alternative to Propofol in Clinical Intravenous Anesthesia? Biomed Res Int. 2023 Jan 19;2023:7443226.?