

---

## BAY 87-2243

产品编号: D50879

CAS: 1227158-85-1

分子式: C<sub>26</sub>H<sub>26</sub>F<sub>3</sub>N<sub>7</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>26</sub>H<sub>26</sub>F<sub>3</sub>N<sub>7</sub>O<sub>2</sub>/c1-17-14-22(25-31-24(33-38-25)19-2-6-21(7-3-19)37-26(27,28)29)32-36(17)16-18-8-9-30-23(15-18)35-12-10-34(11-13-35)20-4-5-20/h2-3,6-9,14-15,20H,4-5,10-13,16H<sub>2</sub>,1H<sub>3</sub>

InChi Key: CDJNNOJINJAXPV-UHFFFAOYSA-N

Smiles: CC1=CC(=NN1CC1C=CN=C(C=1)N1CCN(CC1)C1CC1)C1=NC(=NO1)C1C=CC(=CC=1)OC(F)(F)F

外观: 固体粉末

作用通路: Ferroptosis

溶解性: DMSO up to 1 mM; EtOH up to 15 mM (heating)

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

产品介绍: BAY 87-2243 is a highly potent and selective inhibitor of hypoxia-induced gene activation, which has antitumor activities by inhibition of mitochondrial complex I. BAY 87-2243 improves local tumor control after fractionated irradiation in a schedule-dependent manner in head and neck human xenografts. BAY-87-2243 markedly decreased nuclear HIF-1α expression and pimonidazole hypoxic fraction already after 3 days of drug treatment. BAY-87-2243 prior to RT significantly reduced TCD<sub>50</sub> from 123 to 100 Gy (p=0.037). Additional BAY-87-2243 application during RT did not decrease TCD<sub>50</sub>.