

产品名称 : I-OMe-Tyrphostin AG 538

同义词 : ——

产品货号 : M32963

CAS Number : 1094048-77-7

分子式 : C₁₇H₁₂INO₅

分子量 : 437.19

化学全名 : ——

产品描述 : I-OMe-Tyrphostin AG 538 (I-OMe-AG 538) is a specific inhibitor of IGF-1R (insulin-like growth factor-1 receptor tyrosine kinase). I-OMe-Tyrphostin AG 538 inhibits IGF-1R-mediated signaling and is preferentially cytotoxic to nutrient-deprived PANC1 cells. I-OMe-Tyrphostin AG 538 is an ATP-competitive inhibitor of phosphatidylinositol-5-phosphate 4-kinase α (PI5P4K α), with an IC₅₀ of 1 μ M.

通路 : PI3K/Akt/mTOR signaling

靶点 : PI3K

受体 : PI3K | IGF-1R

溶解度 : In Vitro: DMSO 中的溶解度 : 50 mg/mL (114.37 mM; 超声助溶)

SMILES : COc1cc(\C=C(/C#N)C(=O)c2ccc(O)c(O)c2)cc(I)c1O

存储条件 : (-20°C)

稳定性 : ≥ 2 years

参考文献 :

1. Davis MI, et al. A homogeneous, high-throughput assay for phosphatidylinositol 5-phosphate 4-kinase with a novel, rapid substrate preparation. *PLoS One*. 2013;8(1):e54127.