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## TPI-1

产品编号: D51179

CAS: 79756-69-7

分子式: C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub>/c13-7-1-3-11(14)9(5-7)10-6-8(15)2-4-12(10)16/h1-6H

InChi Key: ZKHFYORNAYYOTM-UHFFFAOYSA-N

Smiles: O=C1C=CC(=O)C=C1C1C=C(Cl)C=CC=1Cl

外观: 固体粉末

作用通路: Phosphatase

溶解性: DMSO: 51 mg/mL(201.51 mM).

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

产品介绍: TPI-1, also known as Tyrosine Phosphatase Inhibitor 1, is a SHP-1 inhibitor. TPI-1 selectively increased SHP-1 phospho-substrates (pLck-pY394, pZap70, and pSlp76) in Jurkat T cells but had little effects on pERK1/2 or pLck-pY505 regulated by phosphatases SHP-2 or CD45, respectively. TPI-1 induced mouse splenic-IFN-gamma(+) cells in vitro, approximately 58-fold more effective than sodium stibogluconate, and increased mouse splenic-pLck-pY394 and -IFN-gamma(+) cells in vivo.