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## CCF-642

产品编号: D51628

CAS: 346640-08-2

分子式: C<sub>15</sub>H<sub>10</sub>N<sub>2</sub>O<sub>4</sub>S<sub>3</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>15</sub>H<sub>10</sub>N<sub>2</sub>O<sub>4</sub>S<sub>3</sub>/c1-21-10-4-2-9(3-5-10)16-14(18)12(24-15(16)22)8-11-6-7-13(23-11)17(19)20/h2-8H,1H3/b12-8-

InChi Key: SPYIETQLOVDJCF-WQLSENKSSA-N

Smiles: COC1C=CC(=CC=1)N1C(=S)SC(=CC2=CC=C(S2)[N+][O-])=O)C1=O

外观: 固体粉末

作用通路: Others

溶解性: Soluble in DMSO

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

产品介绍: CCF-642 is a protein disulfide isomerase (PDI) inhibitor. CCF642 exhibited a submicromolar IC<sub>50</sub> in 10 of 10 multiple myeloma cell lines. In vitro, CCF642 inhibited PDI reductase activity about 100-fold more potently than the structurally distinct established inhibitors PACMA 31 and LOC14. CCF642 displayed potent efficacy in an aggressive syngeneic mouse model of multiple myeloma and prolonged the lifespan of C57BL/KaLwRij mice engrafted with 5TGM1-luc myeloma, an effect comparable to the first-line multiple myeloma therapeutic bortezomib.