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## PBTZ-169

产品编号: D51160

CAS: 1377239-83-2

分子式: C<sub>20</sub>H<sub>23</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>20</sub>H<sub>23</sub>F<sub>3</sub>N<sub>4</sub>O<sub>3</sub>S/c21-20(22,23)14-10-15-17(16(11-14)27(29)30)31-19(24-18(15)28)2  
6-8-6-25(7-9-26)12-13-4-2-1-3-5-13/h10-11,13H,1-9,12H2

InChi Key: BJDZBXGJNBMCAY-UHFFFAOYSA-N

Smiles: [O-][N+](=O)C1=CC(=CC2=C1SC(=NC2=O)N1CCN(CC2CCCCC2)CC1)C(F)(F)F

外观: 固体粉末

作用通路: Bacterial

溶解性: DMSO: 5 mg/mL (10.95 mM).

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

产品介绍: PBTZ-169, also known as macozinone, is a new drug candidate that inhibits decaprenyl-phosphoribose-epimerase (DprE1), an essential enzyme involved in the cell wall biosynthesis of *Corynebacterineae*. The MIC values of PBTZ-169 ranged from 0.03 µg/mL to 0.0037 µg/mL. The MIC<sub>50</sub> and MIC<sub>90</sub> values of PBTZ-169 were 0.0075 and 0.030 µg/mL, respectively. The MIC for PBTZ-169 for *N. brasiliensis* HUJEG-1 was 0.0037 µg/mL. The MICs of SXT, DA-7218, and BTZ043 for this strain were 9.5/0.5, 8, and 0.125 µg/mL, respectively.