

Antibacterial agent 276

Chemical Properties

CAS No. :

Formula: C₂₈H₂₅ClF₃N₃O₂

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Antibacterial agent 276 (compound B3) acts as an antimicrobial agent with EC ₅₀ values of 1.32 µg/mL against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> and 2.80 µg/mL against <i>Xanthomonas axonopodis</i> pv. <i>citri</i> . It disrupts intracellular redox balance, leading to the accumulation of reactive oxygen species and subsequently inducing apoptosis (apoptosis).
Targets(IC50)	Apoptosis, Reactive Oxygen Species, Antibacterial

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481