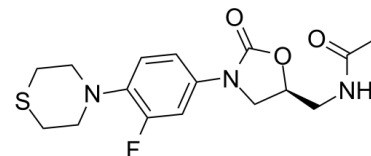


Data Sheet

Product Name:	Sutezolid
Cat. No.:	CS-5568
CAS No.:	168828-58-8
Molecular Formula:	C ₁₆ H ₂₀ FN ₃ O ₃ S
Molecular Weight:	353.41
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	DMSO : 50 mg/mL (141.48 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Sutezolid (PNU-100480) is an oxazolidinone antimicrobial being developed for the treatment of tuberculosis. Target: Antibacterial
Sutezolid is a much-awaited drug candidate for treatment of Mycobacterium tuberculosis. [1] Sutezolid is an oxazolidinone antibiotic currently in development as a treatment for extensively drug-resistant tuberculosis. Sutezolid is a linezolid analog with superior bactericidal activity against Mycobacterium tuberculosis in the hollow fiber, whole blood and mouse models. Like linezolid, it is unaffected by mutations conferring resistance to standard TB drugs. This study of sutezolid is its first in tuberculosis patients.[2]

References:

[1]. Zhu T, et al. Population pharmacokinetic/pharmacodynamic analysis of the bactericidal activities of sutezolid (PNU-100480) and its major metabolite against intracellular Mycobacterium tuberculosis in ex vivo whole-blood cultures of patients with pulmonary tuberculosis. Antimicrob Agents Chemother. 2014 Jun;58(6):3306-11.

[2]. Wallis RS, et al. Mycobactericidal activity of sutezolid (PNU-100480) in sputum (EBA) and blood (WBA) of patients with pulmonary tuberculosis. PLoS One. 2014 Apr 14;9(4):e94462.

CAIndexNames:

Acetamide, N-[[[(5S)-3-[3-fluoro-4-(4-thiomorpholinyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]-

SMILES:

CC(=O)N[C@@H]1CN(C(=O)N(C1)C2=CC(F)=C(N3CCSCC3)C=C2

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA