

Product Data Sheet

Product Name: PK150
Cat. No.: GC39300

Chemical Properties

Cas. No. 2165324-62-7

SMILES O=C(NC1=CC=C(OC(F)(F)O2)C2=C1)NC3=CC=C(Cl)C(C(F)(F)F)=C3

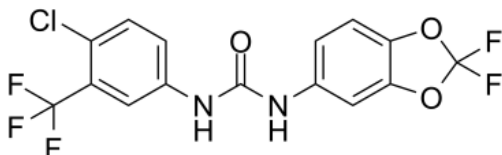
Formula $C_{15}H_8ClF_5N_2O_3$ M.Wt 394.68

Solubility DMSO: 250 mg/mL (633.42 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

PK150, an analogue of Sorafenib, shows oral bioavailability and antibacterial activity against several pathogenic strains at submicromolar concentrations. PK150 inhibits Gram-positive Methicillin-sensitive *S. aureus* (MSSA), Methicillin-resistant *S. aureus* (MRSA), Vancomycin intermediate *S. aureus* (VISA) with MICs of 0.3, 0.3-1, 0.3 µM, respectively[1].

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

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[1]. Le P, et al. Repurposing human kinase inhibitors to create an antibiotic active against drug-resistant *Staphylococcus aureus*, persisters and biofilms. *Nat Chem*. 2019 Dec 16.

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