

Product Data Sheet

Product Name: BC-1215

Cat. No.: GC18487

Chemical Properties

Cas. No. 1507370-20-8

Chemical Name N1,N2-bis[[4-(2-pyridinyl)phenyl]methyl]-1,2-ethanediamine

SMILES C1(C2=CC=C(CNCCNCC3=CC=C(C4=CC=CC=N4)C=C3)C=C2)=CC=CC=N1

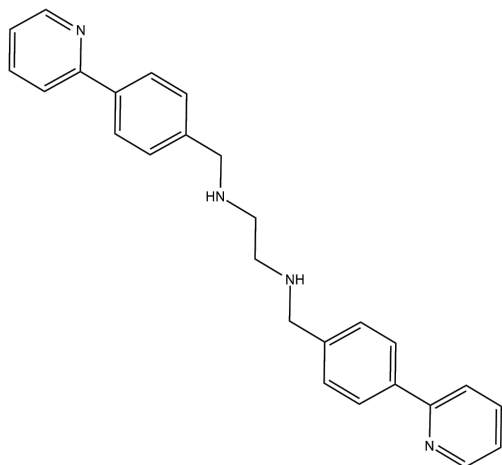
Formula $C_{26}H_{26}N_4$ M.Wt 394.5

Solubility DMF: 0.5 mg/ml 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

BC-1215 is an inhibitor of F-box protein 3 (FBXO3; IC₅₀ = 0.9 µg/mL for Il-1β release). It decreases FBXO3 interaction with F-box/LRR-repeat protein 2 (FBXL2) in a dose-dependent manner and prevents FBXO3-dependent ubiquitination of FBXL2. It also lowers expression of Tnf receptor-associated factors (TRAFs) 1-6 without affecting TRAF1-6 mRNA levels in resting and LPS-stimulated peripheral blood mononuclear cells (PBMCs). BC-1215 (100 µg, i.p., per animal) reduces

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

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plasma levels of the inflammatory cytokines Il-6, Tnf, and Il-1 β and decreases peritoneal bacteria counts in a mouse model of cecal ligation and puncture-induced sepsis. It also reduces inflammation in mouse models of DSS-induced colitis, paw edema, and ear edema.

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