

Product Name : JNJ-26993135

Synonyms : JNJ26993135

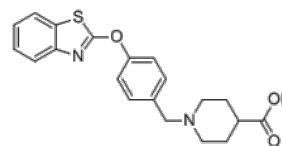
Cat No. : M16124

CAS Number : 841202-16-2

Molecular Formula : C₂₀H₂₀N₂O₃S

Formula Weight : 368.45

Chemical Name : 1-[4-(benzothiazol-2-yloxy)-benzyl]-piperidine-4-carboxylic acid



Description : JNJ-26993135 is a potent, selective leukotriene A₄ hydrolase (LTA₄H) inhibitor, inhibits both the epoxide hydrolase and aminopeptidase activities of recombinant human LTA₄H with IC₅₀ of 10 nM; has no significant effects on LTC₄, lipoxin A₄, or PGE₂ production; dose-dependently inhibits ex vivo LTB₄(4) production in blood (IC₅₀=339 nM), in parallel with dose-dependent inhibition of neutrophil influx (ED₅₀, 1-3 mg/kg) and ear edema in murine model of arachidonic acid-induced ear inflammation; selectively inhibited LTB₄(4) production, without affecting cysteinyl leukotriene production.

Pathway : Metabolic Enzyme/Protease

Target : Aminopeptidase

Receptor : Aminopeptidase

Solubility : —

SMILES : O=C(C1CCN(CC2=CC=C(OC3=NC4=CC=CC=C4S3)C=C2)CC1)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Rao NL, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):1154-60. | 2. Whittle BJ, et al. Br J Pharmacol. 2008 Mar;153(5):983-91.