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Data Sheet

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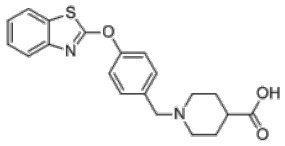
Product Name	:	JNJ-26993135
Cat. No.	:	PC-63409
CAS No.	:	841202-16-2
Molecular Formula	:	$C_{20}H_{20}N_2O_3S$
Molecular Weight	:	368.451
Target	:	Aminopeptidase
Solubility	:	10 mM in DMSO



Biological Activity

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.
JNJ-26993135 has no significant effects on LTC4, lipoxin A4, or PGE2 production.
JNJ-26993135 dose-dependently inhibits ex vivo LTB(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.
JNJ-26993135 selectively inhibited LTB(4) production, without affecting cysteinyl leukotriene production.

References

Rao NL, et al. ***J Pharmacol Exp Ther.*** 2007 Jun;321(3):1154-60.

Whittle BJ, et al. ***Br J Pharmacol.*** 2008 Mar;153(5):983-91.

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