Product Name: Pitolisant
CAS No.: 362665-56-3
Cat. No.: HY-12199
MWt: 295.85
Formula: C17H26ClNO
Purity: >98%

Solubility: DMSO

Mechanisms: Pathways: GPCR/G protein; Target: Histamine Receptor
Pathways: Neuronal Signaling; Target: Histamine Receptor

Biological Activity:

Description:
IC50 Value: 0.16 nM (Ki value); 1.5 nM (EC50) [1]
Pitolisant (BF2.649) is a novel, potent, and selective nonimidazole inverse agonist at the recombinant human H3 receptor. BF2.649 behaved as a competitive antagonist with a Ki value of 0.16 nM and as an inverse agonist with an EC50 value of 1.5 nM and an intrinsic activity approximately 50% higher than that of ciproxifan.

in vitro: BF2.649 behaved as a competitive antagonist with a Ki value of 0.16 nM and as an inverse agonist with an EC50 value of 1.5 nM and an intrinsic activity approximately 50% higher than that of ciproxifan. Pitolisant in vitro potency was approximately 6 times lower at the rodent receptor [1].

in vivo: In mice, the oral bioavailability coefficient, i.e., the ratio of plasma areas under the curve after oral and i.v. administrations, respectively, was 84%. BF2.649 dose dependently enh...

References:

Caution: Not fully tested. For research purposes only
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