Product Name: Xanomeline oxalate

CAS No.: 141064-23-5

Cat. No.: HY-13410

MWt: 371.45

Formula: C16H25N3O5S

Purity: >98%

Solubility: DMSO

Mechanisms: Pathways: GPCR/G protein; Target: mAChR
Pathways: Neuronal Signaling; Target: mAChR

Biological Activity:
Xanomeline (LY246708) is a selective M1 muscarinic receptor agonist.

IC50 value:
Target: M1 muscarinic receptor

In vitro: Xanomeline had high affinity for muscarinic receptors in brain homogenates, but had substantially less or no affinity for a number of other neurotransmitter receptors and uptake sites. In cells stably expressing genetic m1 receptors, xanomeline increased phospholipid hydrolysis in CHO, BHK and A9 L cells to 100, 72 and 55% of the nonselective agonist carbachol. In isolated tissues, xanomeline had high affinity for M1 receptors in the rabbit vas deferens (IC50 = 0.006 nM), low affinity for M2 receptors in guinea pig atria (EC50 = 3 microM), was a weak partial agonist in guinea pig ileum and was neither an agonist nor antagonist in guinea pig bladder [1]. Xanomeline produced small increases in striatal acetylcholine levels and did not antagonize the I...

References:

Caution: Not fully tested. For research purposes only

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