Product Name: Atipamezole hydrochloride
CAS No.: 104075-48-1
Cat. No.: HY-12380
MWt: 248.75
Formula: C14H17ClN2
Purity: >98%
Solubility: DMSO > 47mg/ml

Mechanisms:
Pathways: GPCR/G protein; Target: Adrenergic Receptor

Biological Activity:
Atipamezole HCl(MPV1248 Hcl) is an alpha-adrenoceptor antagonist with high affinity and selectivity for the alpha 2-receptor.
IC50 value:
Target: alpha2-adrenoceptor antagonist
in vitro: The alpha2-adrenoceptor antagonist atipamezole was a potent inhibitor of aldosterone release (range 10-1000 nM) [1]. In receptor binding studies ([3H]-clonidine and [3H]-prazosin displacement) an alpha 2/alpha 1 selectivity ratio of 8526 was obtained for atipamezole, while idazoxan and yohimbine showed ratios of 27 and 40, respectively. Atipamezole had also about a 100 times higher affinity on alpha 2-adrenoceptors than the reference compounds [3].
in vivo: In vivo studies of [3H]atipamezole demonstrated good penetration into the brain (0.3-1.8% injected dose/g at 5 min, depending upon brain region). In addition, [3H]atipamezole displayed rapid in vivo clearance of nonspecific bind...

References:

Caution: Not fully tested. For research purposes only

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