Product Name: Amisulpride hydrochloride
CAS No.: 81342-13-4
Cat. No.: HY-14545A
MWT: 405.94
Formula: C17H28ClN3O4S
Purity: >98%
Solubility: DMSO 74 mg/mL; Water <1 mg/mL; Ethanol 74 mg/mL

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

Biological Activity:
Amisulpride HCl (DAN 2163 HCl) is an antipsychotic drug, which is a selective dopamine antagonist (Ki=2.8 nM D2 receptor; Ki=3.2 nM D3 receptor).
Target: D2/D3 receptor
Amisulpride hydrochloride is an atypical antipsychotic used to treat psychosis in schizophrenia and episodes of mania in bipolar disorder. In small doses it is also used to treat depression. Amisulpride hydrochloride functions primarily as a D2 and D3 receptor antagonist. It has high affinity for these receptors with dissociation constants of 2.8 nM and 3.2 nM, respectively [1].
At low doses (< or = 10 mg/kg) amisulpride hydrochloride preferentially blocks presynaptic dopamine autoreceptors that control dopamine synthesis and release in the rat, whereas at higher doses (40-80 mg/kg) postsynaptic dopamine D2 receptor occupancy and antagonism is apparent. In contrast, haloperidol is active in all of these...

References:

Caution: Not fully tested. For research purposes only
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