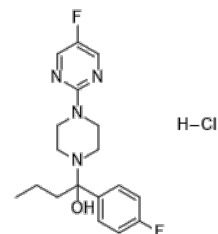


Product Name : BMY-14802 hydrochloride
Cat. No. : PC-27162
CAS No. : 105565-55-7
Molecular Formula :
Molecular Weight :
Target : Sigma Receptor
Solubility : 10 mM in DMSO



Biological Activity

BMY-14802 hydrochloride is a potent sigma-1 receptor (σ 1R) antagonist with IC₅₀ of 112 nM, also an agonist at serotonin 5-HT_{1A} (IC₅₀=320 nM) and adrenergic α -1 receptor (IC₅₀=460 nM).

BMY-14802 does not bind with high affinity to the D₁ or D₂ receptor (IC₅₀s>1,000 and 6,430 nM, respectively).

BMY-14802 suppresses not only AIM but also L-DOPA-induced rotation.

The AIM-suppressing action of BMY-14802 is dependent on 5-HT_{1A} but not adrenergic α -1 receptors, as this effect is prevented by the 5-HT_{1A} antagonist WAY-100653 but not the α -1 antagonist prazosin.

References

Paquette MA, et al. *Psychopharmacology (Berl)*. 2009 Jul;204(4):743-54.

Yevich JP, et al. *J Med Chem*. 1992;35:4516-4525.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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