Product Information

Almorexant (hydrochloride)
Item No. 13638

CAS Registry No.: 913358-93-7
Formal Name: (αR,1S)-3,4-dihydro-6,7-dimethoxy-N-methyl-α-phenyl-1-[2-[4-(trifluoromethyl)phenyl]ethyl]-2(1H)-isooquinolineacetamide, monohydrochloride
MF: C29H31F3N2O3 • HCl
FW: 549.0
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λmax: 285 nm

Laboratory Procedures
For long term storage, we suggest that almorexant (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

Almorexant (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the almorexant (hydrochloride) in the solvent of choice. Almorexant (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of almorexant (hydrochloride) in ethanol is approximately 10 mg/ml and approximately 20 mg/ml in DMSO and DMF.

Almorexant (hydrochloride) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, almorexant (hydrochloride) should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Almorexant (hydrochloride) has a solubility of approximately 0.25 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Almorexant is a dual antagonist of the orexin 1 and 2 receptors (Kds = 1.3 and 0.17 nM, respectively).1 In a mouse model of narcolepsy, 100 mg/kg almorexant promoted nonrapid eye movement sleep and exacerbated cataplexy.2

References

Related Products
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