

Product Data Sheet

Product Name: Mozavaptan (hydrochloride)

Cat. No.: GC44247

Chemical Properties

Cas. No. 138470-70-9

SMILES CC1=C(C(NC2=CC=C(C(N3C(C=CC=C4)=C4C(N(C)C)CCC3)=O)C=C2)=O)C=CC=C1.Cl

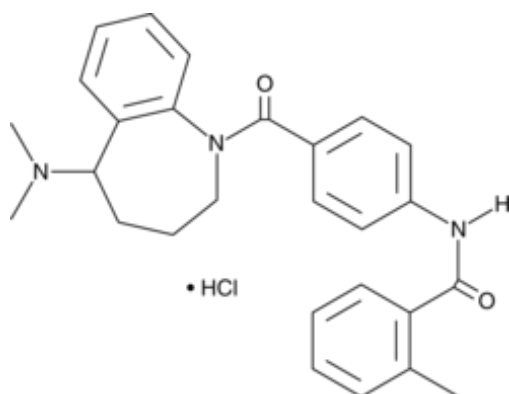
Formula C₂₇H₂₉N₃O₂•HCl M.Wt 464

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 25 mg/ml, Ethanol: PBS (pH 7.2) (1:1): 0.5 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Mozavaptan is a benzazepine derivative that antagonizes the binding of arginine vasopressin (AVP) to vasopressin receptors located in the liver (V₁; IC₅₀ = 1.2 μM) and kidney (V₂; IC₅₀ = 14 nM). At

Caution: Product has not been fully validated for medical applications. For research use only.

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10-100 µg/kg, mozavaptan can inhibit the antidiuretic action of AVP, promoting aquaresis when administered intravenously to rats. The therapeutic potential of mozavaptan in ectopic antidiuretic hormone syndrome, heart failure, and other complications related to hyponatremia has been studied.

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