

Product Data Sheet

Product Name: Oxcarbazepine

Cat. No.: GC10500

Chemical Properties

Cas. No. 28721-07-5

Chemical Name 5-oxo-6H-benzo[b][1]benzazepine-11-carboxamide

SMILES C1C2=CC=CC=C2N(C3=CC=CC=C3C1=O)C(=O)N

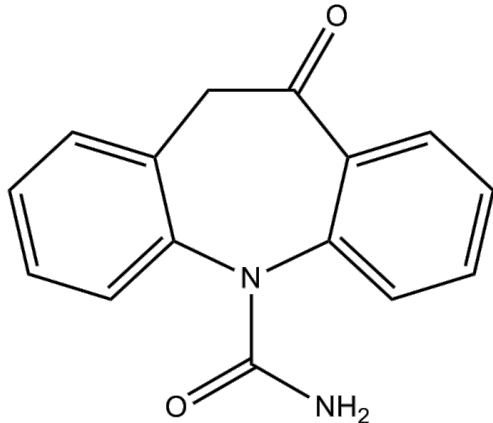
Formula C15H12N2O2 M.Wt 252.27

Solubility $\geq 9.1\text{mg/mL}$ in DMSO 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

Oxcarbazepine (GP 47680) inhibits the binding of $[3\text{H}]\text{BTX}$ to sodium channels with IC_{50} of $160\text{ }\mu\text{M}$ and also inhibits the influx of $^{22}\text{Na}^{+}$ into rat brain synaptosomes with IC_{50} about $100\text{ }\mu\text{M}$.

References:

[1]. May, T.W., E. Korn-Merker, and B. Rambeck, Clinical pharmacokinetics of oxcarbazepine. Clin Pharmacokinet, 2003. 42(12): p. 1023-42.

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

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