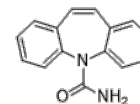


Product Name : Carbamazepine
Cat. No. : PC-27929
CAS No. : 298-46-4
Molecular Formula : $C_{15}H_{12}N_2O$
Molecular Weight : 236.27
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

Carbamazepine (NSC 169864) is an orally active pressure-sensitive sodium ion channel blocker, blocks voltage gated Na⁺, Ca²⁺, and K⁺ channels, and is also a HDAC inhibitor (IC₅₀=2 uM), is an anticonvulsant.

References

- Willow, M, et al. Mol Pharmacol, 1982. 22(3): p. 627-35.
Okada, M., et al. Epilepsy Res, 1997. 28(2): p. 143-53.
Beutler AS, et al. Life Sci. 2005 May 13;76(26):3107-15.

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

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