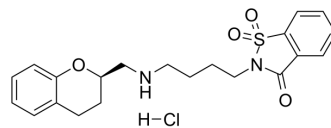


## Repinotan hydrochloride

Cat. No.:	HY-12959A
CAS No.:	144980-77-8
Molecular Formula:	C <sub>21</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	436.95
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

#### Description

Repinotan hydrochloride (BAY x 3702) is a potent, selective, brain-penetrant and orally active 5-HT<sub>1A</sub> receptor agonist, with K<sub>i</sub> values of 0.19 nM (calf hippocampus), 0.25 nM (rat and human cortex), and 0.59 nM (rat hippocampus). Repinotan hydrochloride has a weak affinity for other related receptors. Repinotan hydrochloride has pronounced neuroprotective effects<sup>[1]</sup>.

### REFERENCES

[1]. A C Berends, et al. A review of the neuroprotective properties of the 5-HT<sub>1A</sub> receptor agonist repinotan HCl (BAYx3702) in ischemic stroke. CNS Drug Rev. Winter 2005;11(4):379-402.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA