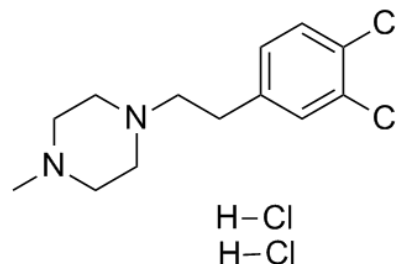


Product Name : BD-1063 dhydrochloride
Cat. No. : PC-45420
CAS No. : 206996-13-6
Molecular Formula : C₁₃H₂₀Cl₄N₂
Molecular Weight : 346.1233
Target : Sigma Receptor
Solubility : 100 mM in H₂O



Biological Activity

BD-1063 dhydrochloride (BD1063) is a potent, selective **sigma-1** receptor antagonist with binding K_i of 9 nM. BD-1063 displays >49-fold selectivity over the sigma-2 receptor. BD-1063 significantly reverses the neuroprotective effect of DHEA-S against NMDA-induced neurotoxicity in rat hippocampal neurons.

References

- Matsumoto RR, et al. *Eur J Pharmacol.* 2001 May 11;419(2-3):163-74.
Matsumoto RR, et al. *Eur J Pharmacol.* 1995 Jul 14;280(3):301-10.
Wu Z, et al. *J Biol Chem.* 2008 Oct 17;283(42):28198-215.

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

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