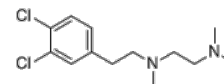


Product Name : BD-1047
Cat. No. : PC-63070
CAS No. : 138356-20-4
Molecular Formula : C₁₃H₂₀Cl₂N₂
Molecular Weight : 275.217
Target : Sigma Receptor
Solubility : 10 mM in DMSO



Biological Activity

BD-1047 is a potent, selective **Sigma 1 receptor** (σ_1) antagonist with K_i of 0.93 nM. BD-1047 displays 50-fold weaker affinity for sigma 2 receptor, and 100-fold selectivity over opiate, phencyclidine, muscarinic, dopamine, adrenoceptor and 5-HT receptors. BD-1047 attenuates the dystonia induced by DTG and haloperidol in rats.

References

- Matsumoto RR, et al. *Eur J Pharmacol.* 1995 Jul 14;280(3):301-10.
Zambon AC, et al. *Eur J Pharmacol.* 1997 Apr 11;324(1):39-47.
Roh DH, et al. *Anesthesiology.* 2008 Nov;109(5):879-89.

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

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