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**Product Data Sheet**


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Product Name: SB-612111

Cat. No.: GC39619

**Chemical Properties**

Cas. No. 371980-98-2

SMILES O[C@H]1C[C@@H](CN2CCC(C3=C(Cl)C=CC=C3Cl)CC2)CCC4=C(C)C=CC=C41

Formula	C <sub>24</sub> H <sub>29</sub> Cl <sub>2</sub> NO	M.Wt	418.4
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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**

SB-612111 is a novel and potent human opiate receptor-like orphan receptor (ORL-1) antagonist with a high affinity for hORL-1 (K<sub>i</sub>=0.33 nM). SB-612111 exhibits selectivity for μ-, κ- and δ-receptors with K<sub>i</sub> values of 57.6 nM, 160.5 nM and 2109 nM, respectively. SB-612111 effectively antagonizes the pronociceptive action of Nociceptin in an acute pain model[1].

[1]. Paola F Zarin, et al. Modification of Nociception and Morphine Tolerance by the Selective Opiate Receptor-Like Orphan Receptor Antagonist (-)-cis-1-methyl-7-[[4-(2,6-dichlorophenyl)piperidin-1-yl]methyl]-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-ol (SB-612111). J Pharmacol Exp Ther. 2004 Feb;308(2):454-61.

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

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