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**Product Data Sheet**

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Product Name: SKF 82958 ((±)-SKF 82958)

Cat. No.: GC33727

**Chemical Properties**

Cas. No. 80751-65-1

SMILES OC1=C(O)C=C2C(C3=CC=CC=C3)CN(CC=C)CCC2=C1ClFormula  $C_{19}H_{20}ClNO_2$  M.Wt 329.82

Solubility Soluble in DMSO Storage Store at -20°C

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**

SKF 82958 is a D1/D5 receptor full agonist. IC50 value: Target: D1/D5 receptor in vitro: Neuropeptide and immediate early gene expression in striatonigral neurons of the normosensitive striatum is induced by mixed D1 receptor SKF-82958, which induces behavioral activity and preprodynorphin (PPD) and substance P (SP) gene expression in medium spiny neurons in the dorsal, and especially, in the ventral striatum. in vivo: Quantitative in situ hybridization was used to examine the contribution of muscarinic receptors to the transynaptic regulation of striatal gene expression induced by D1 receptor activation. The acute injection of the full D1 agonist, SKF-82958, would induce PPD, SP and PPE mRNA expression in the intact rat striatum.

[1]. Wang JQ, et al. The Full D1 Dopamine Receptor Agonist SKF-82958 Induces Neuropeptide mRNA in the Normosensitive Striatum of Rats: Regulation of D1/D2 Interactions by Muscarinic Receptors. *J Pharmacol Exp Ther.* 1997 May;281(2):972-82.

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

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