Product Name: SKF 82958
CAS No.: 80751-65-1
Cat. No.: HY-10435
MWt: 329.82
Formula: C19H20ClNO2
Purity: >98%

Solubility: 3.7 mg/mL in H2O

Mechanisms:
Pathways: GPCR/G protein; Target: Dopamine Receptor
Pathways: Neuronal Signaling; Target: Dopamine Receptor

Biological Activity:
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.

References: