SKF 96365 (hydrochloride)
Item No. 10009312

CAS Registry No.: 130495-35-1
Formal Name: 1-[2-(4-methoxyphenyl)-2-[3-(4-methoxyphenyl)propoxy]ethyl]-1H-imidazole, monohydrochloride
MF: C_{22}H_{26}N_{2}O_{3} • HCl
FW: 402.9
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λ_{max}: 226, 275 nm

Laboratory Procedures
For long term storage, we suggest that SKF 96365 (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

SKF 96365 (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the SKF 96365 (hydrochloride) in an organic solvent purged with an inert gas. SKF 96365 (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. SKF 96365 (hydrochloride) is miscible in these solvents.

SKF 96365 (hydrochloride) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, SKF 96365 (hydrochloride) should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. SKF 96365 (hydrochloride) has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

SKF 96365 inhibits the receptor-mediated influx of calcium via voltage-gated calcium channels with an IC_{50} value of approximately 10 µM.\textsuperscript{1} It inhibits the acetylcholine-induced depolarization of circular smooth muscle in a dose-dependent manner at 3-50 µM.\textsuperscript{2} SKF 96365 can distinguish receptor-mediated release in platelets and neutrophils from the calcium release from internal stores. However, it does not distinguish between receptor-mediated and voltage-gated release.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/10009312

WARNING: This product is for laboratory research only; not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.