REV 5901
Catalog No. 70600

CAS Registry No.: 101910-24-1
Formal Name: α-pentyl-3-(2-quinolinylmethoxy)-benzenemethanol
MF: C23H23NO2
FW: 335.4
Purity: ≥98%
Stability: ≥1 year at room temperature
Supplied as: A crystalline solid

Laboratory Procedures
For long term storage, we suggest that REV 5901 be stored as supplied at room temperature. It should be stable for at least one year.

Concentrated stock solutions of REV 5901 can be prepared by dissolving the crystalline solid in an organic solvent such as ethanol, methanol, acetone, DMSO, or acetonitrile. The solubility of REV 5901 in these solvents is approximately 100 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Also, ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

REV 5901 has been shown to be a competitive antagonist of peptidoleukotrienes. In vitro, it has a Kᵢ value of 0.7 µM vs [³H]Leukotriene D₄ (LTD₄) binding to membranes from guinea pig lung.¹ It is an antagonist of LTC₄-induced contraction of guinea pig lung parenchymal strips with an IC₅₀ of 3.6 µM and exhibits 91% inhibition of SRS-A mediated bronchospasm in the guinea pig in vivo at 10 mg/kg administered intraduodenally.² REV 5901 is a potent inhibitor of rat neutrophil 5-lipoxygenase with an IC₅₀ of 0.12 µM.² The release of PAF by peritoneal mast cells could be inhibited by REV 5901 in a concentration-dependent manner (IC₅₀ = 3.9 µM).³

References

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

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get it in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees. Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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