
Product Data Sheet

Product Name: Meseclazone (W2395)

Cat. No.: GC31970

Chemical Properties

Cas. No. 29053-27-8

SMILES O=C1N(OC(C)C2)C2OC3=CC=C(Cl)C=C13

Formula $C_{11}H_{10}ClNO_3$ M.Wt 239.66

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

Meseclazone (W2395;NSC297623) exhibits inhibitory potency of secondary phase ADP aggregation. Meseclazone possesses anti-inflammatory, analgesic and antipyretic activity.

Meseclazone inhibits collagen-induced aggregation 1 and 4 hr after oral administration[1]. Intravenous administration of Meseclazone and other nonsteroidal anti-inflammatory drugs caused a dose-dependent inhibition of bronchoconstriction resulting in the following order of descending potency: isoproterenol congruent to indomethacin greater than fenopufen greater than tolmetin greater than aspirin greater than naproxen congruent to ibuprofen greater than phenylbutazone greater than diflunisal greater than Meseclazone greater than 5-CSA[2].

[1]. Diamantis W, et al. Meseclazone, 5-chlorosalicylic acid and acetylsalicylic acid. Comparison of their effects on in vitro and ex vivo platelet aggregation. Thromb Haemost. 1978 Aug 31;40(1):24-36. [2]. Diamantis W, et al. Antagonism by meseclazone and other nonsteroidal anti-inflammatory drugs of bradykinin-induced bronchospasm. Pharmacology. 1982;24(4):243-7.

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

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