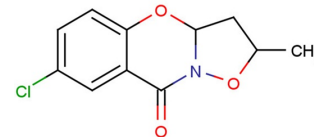


## Meseclazone

## Chemical Properties

CAS No.:	29053-27-8
Formula:	C <sub>11</sub> H <sub>10</sub> ClNO <sub>3</sub>
Molecular Weight:	239.66
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Meseclazone has anti-inflammatory, analgesic, and antipyretic activity. Meseclazone shows inhibitory potency of secondary phase ADP aggregation.
Targets(IC <sub>50</sub> )	Others: None
In vivo	Intravenous administration of Meseclazone and other nonsteroidal anti-inflammatory drugs induced a dose-dependent inhibition of bronchoconstriction. This causing the following order of descending potency: isoproterenol congruent to indomethacin greater than fenoprofen 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. Meseclazone inhibits collagen-induced aggregation 1 and 4 hr after oral administration[1][2].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.173 mL	20.863 mL	41.726 mL
5 mM	0.835 mL	4.173 mL	8.345 mL
10 mM	0.417 mL	2.086 mL	4.173 mL
50 mM	0.083 mL	0.417 mL	0.835 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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.

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