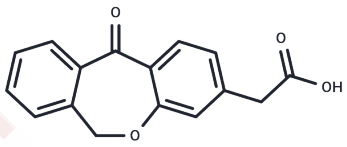
Data Sheet (Cat.No.T67805)

TargetMol

Oxepinac

Chemical Properties



CAS No. : 55689-65-1

Formula: C16H12O4

Molecular Weight: 268.26

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	oxepinac is an effective and well-tolerated compound for the treatment of painful osteoarthritis. oxepinac has no teratogenic effect on mouse and rabbit fetuses in animal experiments.
Targets(IC50)	Others
In vivo	Teratogenic effects of 6,11-dihydro-11-oxodibenz[b,e]oxepin-3-acetic acid (oxepinac) were examined in mice and rabbits. Oxepinac was orally given to pregnant animals during the organogenesis period at 3, 30 and 90 mg/kg/day for mice, and at 3, 10 and 20 mg/kg/day for rabbits. It can be concluded that oxepinac has no teratogenic effect on fetuses in mice and rabbits. In addition, the medication of oxepinac to pregnant mice does not adversely affect the postnatal development of their pups.[1]

Solubility Information

Solubility	DMSO: 55 mg/mL (205.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7277 mL	18.6386 mL	37.2773 mL
5 mM	0.7455 mL	3.7277 mL	7.4555 mL
10 mM	0.3728 mL	1.8639 mL	3.7277 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Arauchi T, et al. Teratogenicity study of oxepinac in mice and rabbits. Arzneimittelforschung. 1978;28(3):451-455.
Sasaki S. Multi-centered clinical evaluation of oxepinac against peripheral arthropathy particularly osteoarthritis. Arzneimittelforschung. 1978;28(3):462-468.
Nomura M, et al. Acute, subacute and chronic toxicity of oxepinac. Arzneimittelforschung. 1978;28(3):445-451.

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