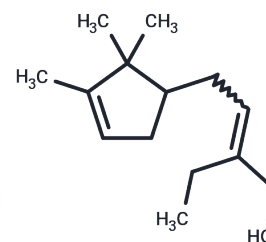


Sandacanol

Chemical Properties

CAS No. :	28219-61-6
Formula:	C ₁₄ H ₂₄ O
Molecular Weight:	208.34
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sandacanol(Sandranol) is a selective olfactory receptor (OR10H1) agonist. Sandacanol can induce cell cycle arrest and partial apoptosis in bladder cancer cells, and can reduce cell migration rate and proliferation rate.
Targets(IC50)	Apoptosis
In vitro	Sandranol increases cAMP levels in a concentration-dependent manner, reduces cAMP levels by inhibiting adenylate cyclase, and triggers an increase in intracellular Ca ²⁺ concentration. Treatment with Sandranol (50-700µM; 24 or 48 hours) significantly reduces cell viability, proliferation, and migration, and induces limited apoptosis [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7998 mL	23.9992 mL	47.9985 mL
5 mM	0.960 mL	4.7998 mL	9.5997 mL
10 mM	0.480 mL	2.3999 mL	4.7998 mL
50 mM	0.096 mL	0.480 mL	0.960 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

Lea Weber, et al. Characterization of the Olfactory Receptor OR10H1 in Human Urinary Bladder Cancer. Front Physiol. 2018 May 16;9:456.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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