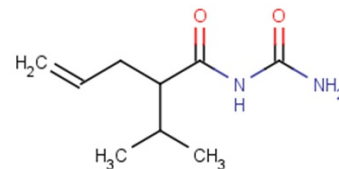


Apronal

Chemical Properties

CAS No.:	528-92-7
Formula:	C ₉ H ₁₆ N ₂ O ₂
Molecular Weight:	184.24
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Apronal (Allylisopropylacetylurea, Apronalide) is a hypnotic and sedative drug. It has been withdrawn in several countries due to side effects.
Targets(IC ₅₀)	Others: None
In vivo	Research shows that allylisopropylacetylurea increases the amount of porphyrins in the liver and urine of animals. And it brings about a marked green pigmentation of the liver. Lesions originated by long-term administration with allylisopropylacetylurea can be tolerated by rats and are reversible[1]. Rats recover well from long-term treatment with high doses of allylisopropylacetylurea and revert to normal values for parameters measured. Fixed drug eruption and mucocutaneous ocular syndrome are reported due to apronal[2].

Solubility Information

Solubility	DMSO: 165 mg/mL (895.57 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.428 mL	27.139 mL	54.277 mL
5 mM	1.086 mL	5.428 mL	10.855 mL
10 mM	0.543 mL	2.714 mL	5.428 mL
50 mM	0.109 mL	0.543 mL	1.086 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. Rentsch G, et al. The effect of prolonged administration of allylisopropylacetylurea to rats on cytochrome P-450 and other liver haemoproteins. *Xenobiotica*. 1976 Mar;6(3):151-7.
2. Fujimoto Y, et al. Fixed drug eruption due to allylisopropylacetylurea. *Contact Dermatitis*. 1993 May;28(5):282-4.

Inhibitors · Natural Compounds · Compound Libraries

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