Ancymidol

Cat. No.: HY-N9442

CAS No.: 12771-68-5

Molecular Formula: $C_{15}H_{16}N_2O_2$

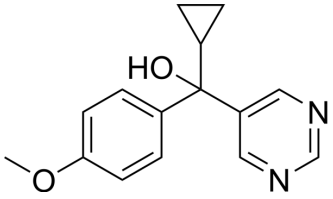
Molecular Weight: 256.3

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (390.17 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.9017 mL	19.5084 mL	39.0168 mL
	5 mM	0.7803 mL	3.9017 mL	7.8034 mL
	10 mM	0.3902 mL	1.9508 mL	3.9017 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ancymidol is a biochemical reagent. Ancymidol is a plant growth regulator[1][2].

In Vitro

Ancymidol (1 nM-100 nM) inhibits kaurene oxidation in extracts of M.macrocarpus[1].

Ancymidol (10 ug/mL) reduces the gibberellin-like activity in bean extracts[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Coolbaugh RC, et al. Studies on the Specificity and Site of Action of alpha-Cyclopropyl-alpha-[p-methoxyphenyl]-5-pyrimidine Methyl Alcohol (Ancymidol), a Plant Growth Regulator. Plant Physiol. 1978 Oct;62(4):571-6.

[2]. Shive JB, Sisler HD. Effects of Ancymidol (a Growth Retardant) and Triarimol (a Fungicide) on the Growth, Sterols, and Gibberellins of Phaseolus vulgaris (L.). Plant Physiol. 1976 Apr;57(4):640-4.

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

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