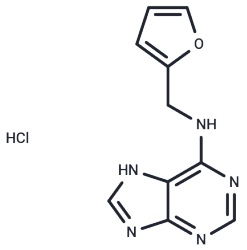
Data Sheet (Cat.No.T2223)

TargetMol

Kinetin

Chemical Properties



CAS No. :	525-79-1
Formula:	C10H9N5O
Molecular Weight:	215.21
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Kinetin (N6-Furfuryladenine), a type of cytokinin, has plant growth regulation effects.
Targets(IC50)	Others
In vivo	In plant tissue culture, Kinetin is commonly employed to induce the formation of callus tissue.

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H2O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 10 mg/mL (46.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6466 mL	23.2331 mL	46.4662 mL
5 mM	0.9293 mL	4.6466 mL	9.2932 mL
10 mM	0.4647 mL	2.3233 mL	4.6466 mL
50 mM	0.0929 mL	0.4647 mL	0.9293 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.

Reference

Chiu PC, et al. J Cosmet Dermatol, 2007, 6(4), 243-249.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481