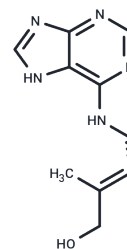


Zeatin

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 13114-27-7 |
| Formula: | C ₁₀ H ₁₃ N ₅ O |
| Molecular Weight: | 219.24 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|---|
| Description | Zeatin is a cytokinin derived from adenine. Zeatin was discovered in immature corn kernels from the genus Zea. It promotes growth of lateral buds and when sprayed on meristems stimulates cell division to produce bushier plants. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 27.5 mg/mL (125.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.5612 mL | 22.8061 mL | 45.6121 mL |
| 5 mM | 0.9122 mL | 4.5612 mL | 9.1224 mL |
| 10 mM | 0.4561 mL | 2.2806 mL | 4.5612 mL |
| 50 mM | 0.0912 mL | 0.4561 mL | 0.9122 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

Koprna, R., et al.: Bioorgan. Med. Chem., 24, 484-492 (2016)

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