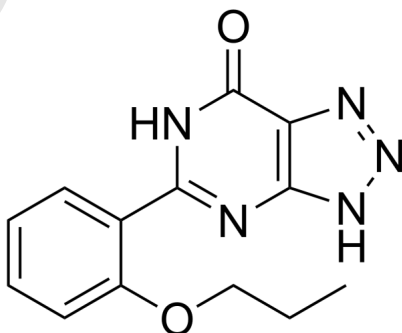


Certificate of Analysis

| | |
|----------------|-----------|
| Catalog Number | BP16872 |
| Product Name | Zaprinast |

Physical and Chemical Properties

| | |
|--|--|
| CAS No. | 37762-06-4 |
| Chemical Formula | C ₁₃ H ₁₃ N ₅ O ₂ |
| Molecular Weight | 271.28 |
| Solubility | DMSO: 30 mg/ml (110.59 mM) |
| Storage | Powder: -20°C for 2 years In solvent: -80°C for 1 year |
| Chemical Structure OR Tested Image |  <p>The chemical structure of Zaprinast is a 1,2,3,4-tetrahydro-1H-benzotriazin-6(1H)-one derivative. It features a benzene ring fused to a triazine ring. The triazine ring has a carbonyl group (=O) at position 6, an NH group at position 7, and a propoxy group (-OCH₂CH₂CH₃) at position 4. The triazine ring is partially hydrogenated, with double bonds between positions 2-3 and 5-6, and single bonds between positions 3-4 and 5-7.</p> |

Product Information

| | |
|-------------|---|
| Description | Zaprinast was an unsuccessful Clinicalal drug candidate that was a precursor to the chemically related PDE5 inhibitors, such as sildenafil (Viagra), which successfully reached the market. |
|-------------|---|

Analytical Data

| | |
|---------------------------------|--|
| HPLC | Shows Min >99% purity |
| H-NMR | Consistent with structure |
| Stability and Solubility Advice | Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details. |

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