

Certificate of Analysis

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Product Name: SMER 3

Catalog No.: 4375

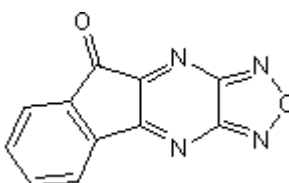
Batch No.: 1

CAS Number: 67200-34-4

IUPAC Name: 9*H*-Indeno[1,2-*e*][1,2,5]oxadiazolo[3,4-*b*]pyrazin-9-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₄N₄O₂
Batch Molecular Weight: 224.18
Physical Appearance: Yellow solid
Solubility: DMSO to 75 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 302 - 303°C

HPLC: Shows 99.2% purity

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.94	1.8	24.99
Found	58.93	1.76	24.98

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: 9H-Indeno[1,2-e][1,2,5]oxadiazolo[3,4-b]pyrazin-9-one

Description:

Selective inhibitor of a yeast SCF family E3 ubiquitin ligase (SCF^{Met30}) in vitro and in vivo. Induces the expression of MET genes; blocks cell proliferation. Enhancer of rapamycin (Cat. No. 1292).

Physical and Chemical Properties:

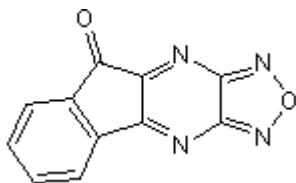
Batch Molecular Formula: C₁₁H₄N₄O₂

Batch Molecular Weight: 224.18

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Aghajanyy *et al* (2010) Chemical genetics of TOR identifies an SCF family E3 ubiquitin ligase inhibitor. *Nat.Biotechnol.* **28** 738. PMID: 20581845.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 75 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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