

Product Name: PRIMA-1^{MET}

Catalog No.: 3710

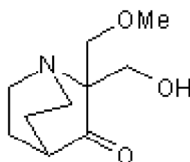
Batch No.: 7

CAS Number: 5291-32-7

IUPAC Name: 2-(Hydroxymethyl)-2-(methoxymethyl)-1-azabicyclo[2.2.2]octan-3-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₀H₁₇NO₃
Batch Molecular Weight: 199.25
Physical Appearance: White solid
Solubility: water to 100 mM
DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	60.28	8.6	7.03
Found	59.92	8.46	6.95

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

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Description:

PRIMA-1^{MET} is a methylated derivative of PRIMA-1 (Cat. No. 1862). Restores mutant activity p53 activity. Acts synergistically with chemotherapeutic agents to inhibit tumor cell proliferation.

Physical and Chemical Properties:

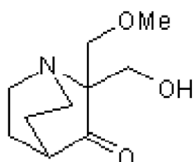
Batch Molecular Formula: C₁₀H₁₇NO₃

Batch Molecular Weight: 199.25

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

water to 100 mM

DMSO to 100 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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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.

References:

Stuber *et al* (2009) PRIMA-1^{MET} induces nucleolar translocation of Epstein-Barr virus-encoded EBNA-5 protein. *Mol.Cancer* **8** 23. PMID: 19323829.

Shen *et al* (2008) PRIMA-1^{MET} induces mitochondrial apoptosis through activation of caspase-2. *Oncogene* **27** 6571. PMID: 18663359.

Bykov *et al* (2005) PRIMA-1^{MET} synergizes with cisp. to induce tumor cell apoptosis. *Oncogene* **24** 3484. PMID: 15735745.

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