

# PRIMA-1

**Catalog No: tcsc5886**



## Available Sizes

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**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg

**Size:** 100mg

**Size:** 200mg



## Specifications

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**CAS No:**

5608-24-2

**Formula:**

$C_9H_{15}NO_3$

**Pathway:**

Autophagy;Apoptosis

**Target:**

Autophagy;MDM-2/p53

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 44$  mg/mL (237.56 mM)

**Alternative Names:**

NSC-281668

**Observed Molecular Weight:**

185.22

**Product Description**

PRIMA-1 is a mutant **p53** reactivator, restores the sensitivity of TP53 mutant-type thyroid cancer cells to the histone methylation inhibitor 3-Deazaneplanocin A.

IC50 & Target: p53<sup>[1]</sup>

**In Vitro:** The cell lines are cultured in the presence of PRIMA-1 at 0-140  $\mu$ M. The IC<sub>50</sub>s are 35, 40, 50, 50, 60, 70 and 75  $\mu$ M for PANC-1, HEC-1-B, SUM149, AN 3CA, Ishikawa, Panc02 and MDA-MB-231 cells, respectively<sup>[2]</sup>.

**In Vivo:** PRIMA-1 (Prima-1) is a p53-modulating agent. 150 or 300 ppm PRIMA-1 significantly suppresses (P[3]).



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!