

PRIMA-1Met, Reactivates mutant p53

Catalog	Unit
TBI4175-5MG	5 mg
TBI4175-25MG	25 mg

Product Details

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

Alternate Names: APR-246

Molecular Formula: C₁₀H₁₇NO₃

Formula Weight: 199.20

CAS Number: 5291-32-7

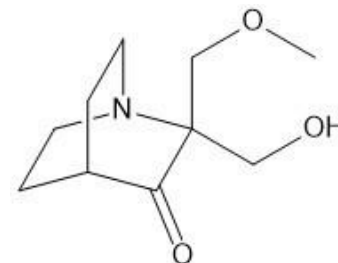
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Reactivates mutant p53

Functions

Mutant p53, along with family members p63 and p73, are forced into wild-type conformation by PRIMA-1MET, thus restoring their tumor suppressor function. In addition to reactivating p53-dependent apoptosis, it blocks p73-dependent colony formation and migration of multiple myeloma cells. It also causes tumor cell death independent of p53, via glutathione depletion and ROS production.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.