

SL-01, p53/mdm2 inhibitor

Catalog	Unit
TBI1326-50MG	50 mg
TBI1326-250MG	250 mg

Product Details

Formal Name: N-Benzyloxycarbonyl-L-phenylalaninylchloromethylketone

Alternate Names: ZPCK

Molecular Formula: C₁₈H₁₈ClNO₃

Formula Weight: 331.80

CAS Number: 26049-94-5

Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 15 mg/ml with warming).

Storage: -20°C

Stability: ≥ 2 years.

Applications

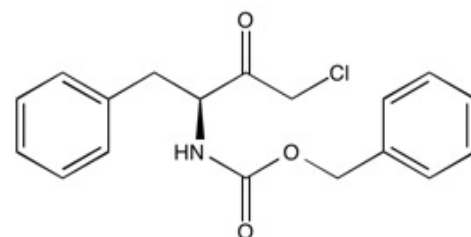
p53/mdm2 inhibitor

Functions

Inhibits the p53-MDM2 interaction (20 μM). Alkylates one catalytic histidine residue (His-397) participating in the charge-relay system of carboxypeptidase Y. Has also been shown to inhibit bovine chymotrypsin A-γ. A potent inhibitor of the severe acute respiratory syndrome coronavirus (SARS-CoV) main protease (Mpro), K_i=306 nM.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 15 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.



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