

Z-DEVD-FMK, Caspase3 inhibitor (cell permeable)

Catalog	Unit
TBI2904-1MG	1 mg

Product Details

Formal Name: Benzyloxycarbonyl-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-fluoromethylketone

Molecular Formula: C₃₀H₄₁FN₄O₁₂

Formula Weight: 668.7

CAS Number: 210344-95-9

Purity: >98%

Formulation: Lyophilized

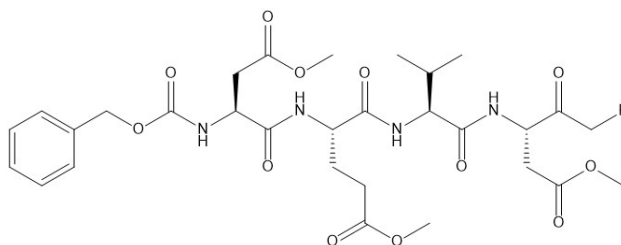
Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.

Applications

Caspase3 inhibitor (cell permeable)



Functions

A cell-permeable trimethyl ester form of the irreversible caspase-3 inhibitor DEVD-FMK (fluoromethylketone) with IC₅₀ = 130 nM). Methyl esters confer cell permeability and are hydrolyzed to the active COOH form via intracellular esterases. Inhibits caspase-3-dependent apoptosis and pyroptosis in a variety of cell lines. Active in vivo.

Application Procedures

First dissolved in DMSO (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.