

Catalog	Unit
TBI2971 - 1MG	1 mg
TBI2971 - 5MG	5 mg

Product Details

Formal Name: 4-[[[(2S)-1-[[[(2S)-1-[[[(2S)-1-[[[(2S)-3-(4-hydroxyphenyl)-1-[(4-methyl-2-oxochromen-7-yl)amino]-1-oxopropan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]amino]-4-methyl-1-oxopentan-2-yl]amino]-4-methyl-1-oxopentan-2-yl]amino]-4-oxobutanoic acid

Alternate Names: Suc-LLVY-AMC, Proteasome Substrate III (Fluorogenic)

Molecular Formula: C₄₀H₅₃N₅O₁₀

Formula Weight: 763.88

CAS Number: 94367-21-2

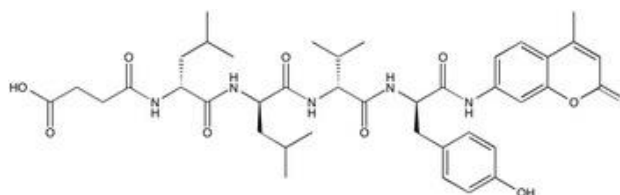
Purity: 98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml), or in DMF (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Proteasome substrate

Functions

Suc-Leu-Leu-Val-Tyr-AMC (94367-21-2) is a fluorogenic substrate for the chymotryptic activity of the 20S proteasome and other chymotrypsin-like proteases, as well as calpains. A commonly used substrate for assaying proteasomal enzymatic activity. Excitation max.: 360 nm; emission max.: 460 nm.

Application Procedures

First dissolved in DMSO (20 mg/ml) or DMF (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or DMF may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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