

Product Name	: NWL-117
Synonyms	: NWL117; NWL 117
Cat No.	: M16926
CAS Number	:
Molecular Formula	: C ₂₉ H ₄₂ N ₄ O ₁₁ S
Formula Weight	: 654.73
Chemical Name	: (5S,8S,11S,14R)-11-((S)-sec-butyl)-8-(2-carboxyethyl)-5-isopropyl-14-((E)-2-(methylsulfonyl)vinyl)-3,6,9,12-tetraoxo-1-phenyl-2-oxa-4,7,10,13-tetraazapentadecan-15-oic acid
Description	: A potent Caspase-6 inhibitor with IC ₅₀ of 192 nM, also inhibits Caspase-4/8/9/10 with IC ₅₀ of 0.1-0.8 uM; shows weak activity against other Caspase subtypes; inhibits Caspase-6 in Caspase-6-transfected HCT116 cells with IC ₅₀ of 4.82 uM; inhibits serum deprivation-induced Caspase-6 activity and prevents amyloid precursor protein-mediated neurite degeneration in human primary CNS neurons; BBB penetrant.
Pathway	: Apoptosis
Target	: Caspase
Receptor	: Caspase
Solubility	: —
SMILES	: <chem>O=C(O)[C@@H](/C=C/S(=O)(=O)NC([C@H]([C@@H](C)CC)NC([C@H](CCC(=O)O)NC([C@H](C(C)C)NC(OCC1=CC=CC=C1)=O)=O)=O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Pakavathkumar P, et al. Mol Neurodegener. 2017 Feb 28;12(1):22.