

Product Data Sheet

Product Name: Suc-YVAD-pNA

Cat. No.: GC45572

Chemical Properties

Cas. No. 208264-84-0

SMILES O=C([C@H](CC(O)=O)NC([C@H](C)NC([C@H](C(C)C)NC([C@@H](NC(CCC(O)=O)=O)CC1=CC=C(C(O)C=C1)=O)=O)=O)NC2=CC=C([N+])([O-])=O)C=C2

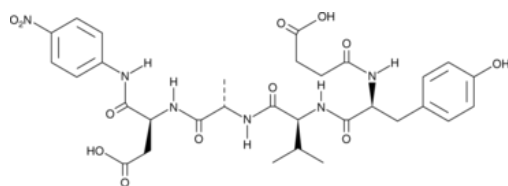
Formula C₃₁H₃₈N₆O₁₂ M.Wt 686.7

Solubility Acetic Acid (50%): soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Suc-YVAD-pNA is a colorimetric substrate for caspase-1/interleukin-1 β -converting enzyme (ICE) and caspase-4.1 Caspase-1 and caspase-4 preferentially bind to and cleave the Tyr-Val-Ala-Asp (YVAD) peptide sequence to release p-nitroanilide (pNA), which can be quantified by colorimetric detection at 405 nm as a measure of caspase-1 and caspase-4 activity.

References

1. Margolin, N., Raybuck, S.A., Wilson, K.P., et al. Substrate and inhibitor specificity of interleukin-1 β -converting enzyme and related caspases. J. Biol. Chem. 272(11), 7223-7228 (1997).

Caution: Product has not been fully validated for medical applications. For research use only.

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