

Product Data Sheet

Product Name: Ac-DMQD-AMC (trifluoroacetate salt)

Cat. No.: GC42687

Chemical Properties

Cas. No.

SMILES O=C(NC1=CC=C(C(C)=CC(O2)=O)C2=C1)[C@@H](NC([C@@H](NC([C@H](CCSC)N C([C@@H](NC(C)=O)CC(O)=O)=O)=O)CCC(N)=O)=O)CC(O)=O.FC(F)(C(O)=O)F

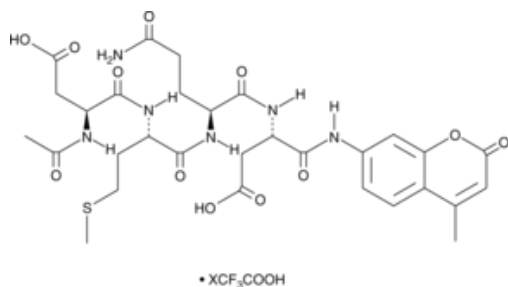
Formula C₃₀H₃₈N₆O₁₂S•XCF₃COOH M.Wt 706.7

Solubility Formic Acid: 1 mg/ml Storage Store at -20°C

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

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

Structure



Background

Ac-DMQD-AMC is a fluorogenic substrate for caspase-3. Upon enzymatic cleavage by caspase-3, 7-amino-4-methylcoumarin (AMC) is released and its fluorescence can be used to quantify caspase-3 activity. AMC displays excitation/emission maxima of 340-360/440-460 nm, respectively.

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

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