

Product Data Sheet

Product Name: Ac-WLA-AMC

Cat. No.: GC42720

Chemical Properties

Cas. No. 1104011-59-7

SMILES O=C1C=C(C)C2=C(C=C(NC([C@@H])(NC([C@H](CC(C)C)NC([C@H](CC3=CNC4=C3C=CC=C4)NC(C)=O)=O)=O)C)=O)C=C2)O1

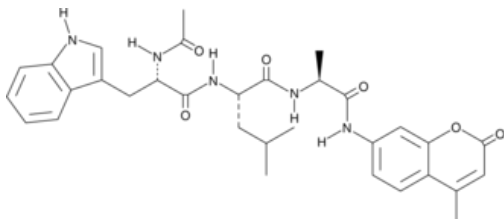
Formula C32H37N5O6 M.Wt 587.7

Solubility DMSO: 10 mM 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-WLA-AMC is a fluorogenic substrate for the $\beta 5c$ subunit of the 20S proteasome. Upon cleavage, 7-amino-4-methylcoumarin (AMC) is released and its fluorescence can be used to quantify the activity of the $\beta 5c$ subunit of the 20S proteasome. AMC displays excitation/emission maxima of 351/430 nm, respectively.

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

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