
Product Data Sheet

Product Name: R8-T198wt
 Cat. No.: GC13488

Chemical Properties

Cas. No. 2305815-72-7

Chemical Name (1Z,4Z,6S,7Z,9S,10Z,12S,13Z,15S,16Z,18S,19Z,21S)-1-((S)-1-((2S,3Z,5S,6Z,8R,9Z,12Z,14S,15Z,17S,18Z,20S,21Z,23S,24Z,26S,27Z,29S,30Z,32S,33Z,35S,36Z,39Z,42Z)-44-amino-2,5-bis(4-aminobutyl)-14,17,20,23,26,29,32,35-octakis(3-guanidinopropyl)-4,7,10,13,16,19,22

SMILES CC(C[C@@]/N=C(O)/C/N=C(O)/[C@]1([H])CCCN1C([C@]/N=C(O)/[C@]/N=C(O)/[C@]/N=C(O)/C/N=C(O)/[C@]/N=C(O)/[C@]/N=C(O)/[C@]/N=C(O)/[C@]/N=C(O)/[C@]/N=C(O)/[C@]/N=C(O)/C/N=C(O)/C/N=C(O)/CN)([H])CCCN(C(N)=N)([H])CCCN(C(N)=N)([H])C

Formula C₁₁₁H₂₁₁N₅₉O₂₆S M.Wt 2820.31

Solubility Soluble to 2 mg/ml in 20% acetonitrile / Water Storage Store at -20°C

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

Structure

Background

Cell-permeable peptide inhibitor of Pim-1 kinase, derived from p27^{Kip1}. Inhibits Pim-1 phosphorylation of p27^{Kip1} and Bad; induces cell cycle arrest (at G₁) and apoptosis in DU145 prostate cancer cells. Also inhibits Pim-1-dependent growth of DU145 cells *in vitro* and *in vivo*. Displays no effect on the growth of normal prostate epithelial RPWE-1 cells at concentrations of 10 and 20 μM.

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

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