

Product Data Sheet

Product Name: BC-23
Cat. No.: GC72901

Chemical Properties

Cas. No. 6298-15-3

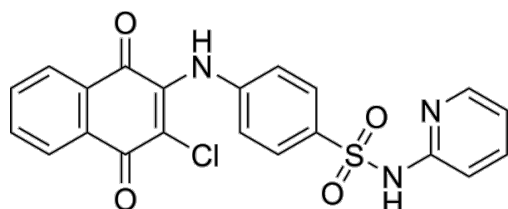
Formula $C_{21}H_{14}ClN_3O_4S$ M.Wt 439.87

Solubility DMSO : 25 mg/mL (56.83 mM); ultrasonic and warming and heat to 60°C) Storage -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

BC-23 (NSC 45382) is a proteasome inhibitor. BC-23 exhibits good inhibition of CT-L activity of the proteasome and is selective for malignant over normal cells.

References:

[1]. Lawrence HR, et, al. Synthesis and biological evaluation of naphthoquinone analogs as a novel class of proteasome inhibitors. Bioorg Med Chem. 2010 Aug 1;18(15):5576-92.

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

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[2]. Zhang Q, et, al. Enhancement of Radiation Sensitivity in Lung Cancer Cells by a Novel Small Molecule Inhibitor That Targets the β -Catenin/Tcf4 Interaction. PLoS One. 2016 Mar 25;11(3):e0152407.

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