

Product Data Sheet

Product Name: HA-14-1
Cat. No.: GC90076

Chemical Properties

Cas. No. 927635-64-1

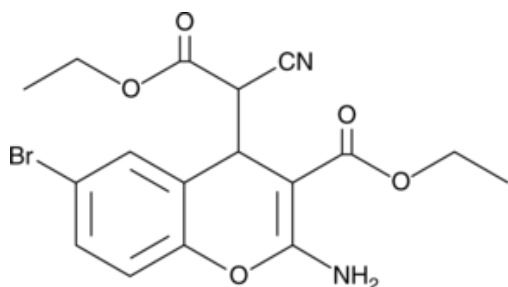
Formula $C_{17}H_{17}BrN_2O_5$ M.Wt 409.2

Solubility DMF: 5 mg/ml, DMSO: 16 mg/ml, Ethanol: 20 mg/ml, Ethanol: PBS (pH 7.2) (1:9): 0.1 mg/ml
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

HA-14-1 is a small molecule that binds the surface pocket of Bcl-2 proteins ($IC_{50} = \sim 9 \mu M$) and induces apoptosis by interfering with its interaction with the Bak peptide and activating Apaf-1 and caspase-9 and -3.¹ It can also bind to the antiapoptotic Bcl-2 proteins Bcl-xl and Bcl-W.² HA-14-1 has been shown to induce apoptosis of human acute myeloid leukemia (HL-60) cells (50 μM induces

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

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90% loss of viability).¹

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