

Product Data Sheet

Product Name: JG-98
Cat. No.: GC34634

Chemical Properties

Cas. No. 1456551-16-8

SMILES CN1/C(SC2=CC(Cl)=CC=C12)=C3S/C(N(CC)C\3=O)=C\C4=[N+](C=CS4)CC5=CC=CC=C5.[Cl-]

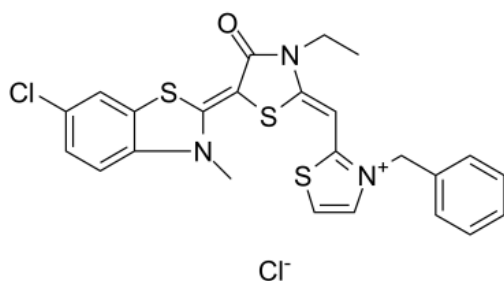
Formula $C_{24}H_{21}Cl_2N_3OS_3$ M.Wt 534.54

Solubility DMSO : 5 mg/mL (9.35 mM) 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

JG-98 is a heat shock protein 70 (Hsp70) Inhibitor with anti-cancer activities[1][2]. Heat shock protein 70[1]

JG-98 inhibits the breast cancer cell lines MDA-MB-231 and MCF-7 with EC50 values of 0.4 and 0.7 μ M, respectively[1].

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

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[1]. Yaglom JA, et al. Cancer cell responses to Hsp70 inhibitor JG-98: Comparison with Hsp90 inhibitors and findings synergistic drug combinations. Sci Rep. 2018 Feb 14;8(1):3010.

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