

Product Name : JG-98

Synonyms : JG98

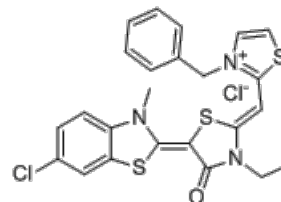
Cat No. : M11970

CAS Number : 1456551-16-8

Molecular Formula : C₂₄H₂₁Cl₂N₃OS₃

Formula Weight : 534.53

Chemical Name : Thiazolium,2-[(Z)-[(5E)-5-(6-chloro-3-methyl-2(3H)-benzothiazolylidene)-3-ethyl-4-oxo-2-thiazolidinylidene]methyl]-3-(phenylmethyl)-,chloride (1:1)



Description : JG-98 is an allosteric Hsp70 inhibitor, displays >3-fold more active, greater stability than MKT-077 against the breast cancer cell lines MDA-MB-231 and MCF-7 (EC₅₀ of 0.4 uM and 0.7 uM, respectively); strongly affects autophagic flux, increases p62 oligomerization and reduces p62 monomer; destabilizes FoxM1 and relieved suppression of downstream effectors, including p21 and p27.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : HSP70

Solubility : DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : CCN1C(=CC2=[N+](C=CS2)CC3=CC=CC=C3)SC(=C4N(C5=C(S4)C=C(C=C5)Cl)C)C1=O.[Cl-]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Li X. et al. ACS Med Chem Lett. 2013 Nov 14;4(11).| 2. Li X, et al. Mol Cancer Ther. 2015 Mar;14(3):642-8.