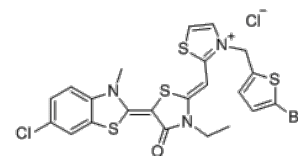


**Product Name** : JG-231  
**Cat. No.** : PC-35390  
**CAS No.** : 1627126-59-3  
**Molecular Formula** : C<sub>22</sub>H<sub>18</sub>BrCl<sub>2</sub>N<sub>3</sub>OS<sub>4</sub>  
**Molecular Weight** : 619.45  
**Target** : Heat Shock Protein (HSP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

JG-231 is an allosteric inhibitor that disrupts the **Hsp70-BAG3** interaction (K<sub>i</sub>=0.11 μM), inhibits breast cancer cells MCF-7 and MDA-MB-231 with IC<sub>50</sub> of 0.12 and 0.25 μM, respectively.

JG-231 reduces tumor burden in an MDA-MB-231 xenograft model (4 mg/kg, ip).

## References

Shao H, et al. *J Med Chem.* 2018 Jul 13. doi: 10.1021/acs.jmedchem.8b00583.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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