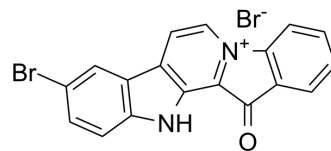


## Anti-MRSA agent 2

Cat. No.:	HY-144822
CAS No.:	2597082-01-2
Molecular Formula:	C <sub>18</sub> H <sub>10</sub> Br <sub>2</sub> N <sub>2</sub> O
Molecular Weight:	430.09
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Anti-MRSA agent 2 (compound 14) has highly inhibitory activity against Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) with MIC of 0.098 µg/ml, and relatively low cytotoxicity in normal cells. Anti-MRSA agent 2 has strong ability to destroy bacterial membrane and bind to genomic DNA <sup>[1]</sup> .
IC <sub>50</sub> & Target	MIC: 0.098 µg/ml (MRSA) <sup>[1]</sup>

### REFERENCES

[1]. Wang X, et al. Fascaplysin derivatives binding to DNA via unique cationic five-ring coplanar backbone showed potent antimicrobial/antibiofilm activity against MRSA in vitro and in vivo. *Eur J Med Chem.* 2022;230:114099.

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

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