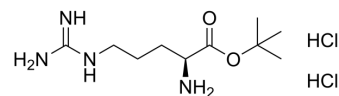


## H-Arg-OtBu dihydrochloride

Cat. No.:	HY-W154333
CAS No.:	87459-72-1
Molecular Formula:	C <sub>10</sub> H <sub>24</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	303.23
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	H-Arg-OtBu (dihydrochloride) is a membrane-targeting antimicrobial. H-Arg-OtBu (dihydrochloride) targets the negatively charged bacterial membrane via a combination of electrostatic and hydrophobic interactions. H-Arg-OtBu (dihydrochloride) can be used for bacterial infections diseases research <sup>[1]</sup> .
<b>In Vivo</b>	H-Arg-OtBu (dihydrochloride) (0.3% solutions treated for 3 times per day) has no signs of corneal inflammation and no evidence of an inflammatory response in rabbit corneal wound healing model <sup>[1]</sup> . H-Arg-OtBu (dihydrochloride) (0.3% solutions treated for 5 times per day) is effective in a mouse model of corneal infection by <i>S. aureus</i> and MRSA <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Koh JJ, et al, Beuerman RW. Amino acid modified xanthone derivatives: novel, highly promising membrane-active antimicrobials for multidrug-resistant Gram-positive bacterial infections. *J Med Chem.* 2015 Jan 22;58(2):739-52.

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

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