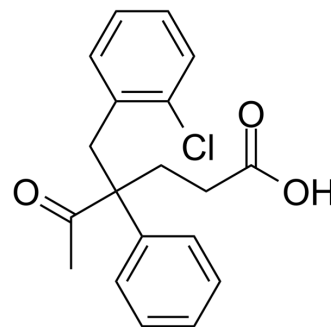


## Caprochlorone

Cat. No.:	HY-147013
CAS No.:	13878-10-9
Molecular Formula:	C <sub>19</sub> H <sub>19</sub> ClO <sub>3</sub>
Molecular Weight:	330.81
Target:	Influenza Virus; Orthopoxvirus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Caprochlorone has antiviral activity against orthopoxvirus. Caprochlorone can inhibit cell penetration by virus, also delays release of newly formed virus from the cell. Caprochlorone decreases the titers of influenza virus in infected-mice lungs <sup>[1][2]</sup> <sup>[3]</sup> .
IC <sub>50</sub> & Target	Orthopoxvirus, Influenza <sup>[2]</sup>

### REFERENCES

- [1]. Smee DF, Sidwell RW. A review of compounds exhibiting anti-orthopoxvirus activity in animal models. *Antiviral Res.* 2003;57(1-2):41-52.
- [2]. Stanfield FJ, Haff RF, Stewart RC. The antiviral activity of caprochlorone. *Proc Soc Exp Biol Med.* 1967;125(1):297-303.
- [3]. LIU OC, et al. Studies on the chemotherapy of viral infections. II. The effect of caprochlorone on influenza virus infections in mice. *J Immunol.* 1957;78(3):222-227.

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

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