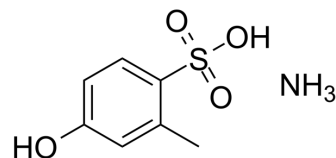


4-Hydroxy-2-methylbenzenesulfonic acid ammonium

| | |
|--------------------|---|
| Cat. No.: | HY-136575 |
| Molecular Formula: | C ₇ H ₁₁ NO ₄ S |
| Molecular Weight: | 205.23 |
| Target: | Virus Protease |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

4-Hydroxy-2-methylbenzenesulfonic acid ammonium is an impurity of Policresulen. Policresulen is a potent NS2B/NS3 protease inhibitor with an IC₅₀ of 0.48 µg/mL. Policresulen effectively inhibits the replication of DENV2 virus in BHK-21 cells with an IC₅₀ of 4.99 µg/mL. Policresulen acted as a competitive inhibitor of the protease, and slightly affected the protease stability^[1].

REFERENCES

[1]. Deng-wei Wu, et al. Policresulen, a novel NS2B/NS3 protease inhibitor, effectively inhibits the replication of DENV2 virus in BHK-21 cells. *Acta Pharmacol Sin.* 2015 Sep;36(9):1126-36.

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

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