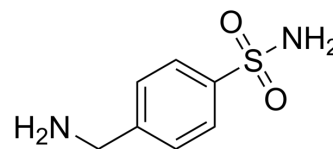


## Mafenide

Cat. No.:	HY-B0614
CAS No.:	138-39-6
Molecular Formula:	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> S
Molecular Weight:	186.23
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Mafenide is an effective sulfonamide-type antimicrobial agent used for burn wounds. Mafenide shows activity against both Gram-positive and Gram-negative organisms, including *Pseudomonas aeruginosa*, via inhibition of nucleotide synthesis<sup>[1][2]</sup>.

### REFERENCES

- [1]. Haynes, B.W., Jr., Mafenide acetate in burn treatment. N Engl J Med, 1971. 284(23): p. 1324.
- [2]. Ashkan Afshari, et al. The Effective Duration of Antimicrobial Activity of Mafenide Acetate After Reconstitution. J Burn Care Res. 2018 Aug 17;39(5):736-738.

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

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