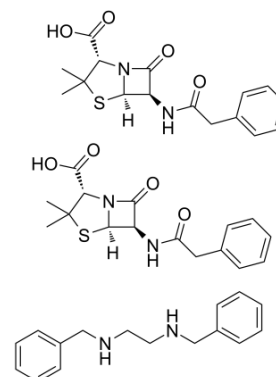


## Penicillin G benzathine

<b>Cat. No.:</b>	HY-N7139A
<b>CAS No.:</b>	1538-09-6
<b>Molecular Formula:</b>	C <sub>48</sub> H <sub>56</sub> N <sub>6</sub> O <sub>8</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	909.12
<b>Target:</b>	Bacterial; Antibiotic
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Penicillin G benzathine (Benzathine benzylpenicillin) is an antibiotic against many bacterial infections <sup>[1]</sup> .
<b>In Vivo</b>	Penicillin G benzathine displays activity and antibacterial effect in CD-1 mice infected with <i>Staphylococcus aureus</i> Smith <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Bowen AC, et al. Short-course oral co-trimoxazole versus intramuscular benzathine benzylpenicillin for impetigo in a highly endemic region: an open-label, randomised, controlled, non-inferiority trial. *Lancet*. 2014 Dec 13;384(9960):2132-40.
- [2]. J A Yurchenco, et al. Substituted Penicillin Amides. Duration of Antibacterial Activity (Depot Effect) in Experimental Infections in Mice. *Chemotherapy* . 1972;17(6):405-15.

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

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