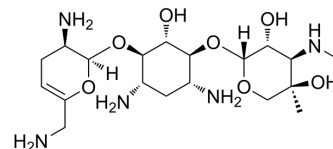


## Sisomicin

Cat. No.:	HY-B1222A
CAS No.:	32385-11-8
Molecular Formula:	C <sub>19</sub> H <sub>37</sub> N <sub>5</sub> O <sub>7</sub>
Molecular Weight:	447.53
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Sisomicin is a broad-spectrum aminoglycoside antibiotic produced by Micromonospora inyoensis. Sisomicin is highly active against Gram-positive bacteria <sup>[1][2]</sup> .
In Vitro	Sisomicin (6.25 µg/mL) completely inhibits the growth of various clinical isolates bacterial, such as Klebsiella, Salmonella, Citrobacter, and Staphylococcus aureus <sup>[1]</sup> . Sisomicin (20 µg/mL; 30 min) has insignificant impairment on polymorphonuclear neutrophil (PMN) <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Sisomicin (4 mg/kg; ip; single dose) appears to accumulate and persist in the kidneys, showing potential renal toxicity in rats <sup>[4]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Curr Microbiol. 2021 Dec 14;79(1):12.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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