

## Quinupristin mesylate

Cat. No.:	HY-A0162A
Molecular Formula:	C <sub>54</sub> H <sub>71</sub> N <sub>9</sub> O <sub>13</sub> S <sub>2</sub>
Molecular Weight:	1118.32
Sequence Shortening:	T-Abu-PF-Pip-Phg (Lactone:Thr1-Phg6)
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Quinupristin mesylate is a streptogramin antibiotic. Quinupristin mesylate blocks peptide bond synthesis to prevent the extension of polypeptide chains and promote the detachment of incomplete protein chains in the bacterial ribosomal subunits <sup>[1][2]</sup> .
In Vitro	Quinupristin/dalfopristin is a combination of streptogramin antibiotics used to against infections <sup>[1]</sup> . Quinupristin/dalfopristin is reportedly effective against <i>Mycoplasma</i> spp. <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Infect Dis Rep. 2021, 13(3), 843-854.

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

### REFERENCES

- [1]. Gurk-Turner C. Quinupristin/dalfopristin: the first available macrolide-lincosamide-streptogramin antibiotic. Proc (Bayl Univ Med Cent). 2000 Jan;13(1):83-6.
- [2]. Tantibhedhyangkul W, et al. Anti-Mycoplasma Activity of Daptomycin and Its Use for Mycoplasma Elimination in Cell Cultures of Rickettsiae. Antibiotics (Basel). 2019 Aug 21;8(3).

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

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