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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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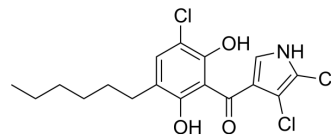
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Celastramycin A (isomer)

| | |
|--------------------|---|
| Cat. No.: | HY-N12905 |
| CAS No.: | 491600-94-3 |
| Molecular Formula: | C ₁₇ H ₁₈ Cl ₃ NO ₃ |
| Molecular Weight: | 390.69 |
| Target: | Antibiotic; Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Celastramycin A isomer is an isomer of Celastramycin A (HY-122292), an antibiotic against Gram-negative bacteria and Mycobacterium tuberculosis with an MIC of 0.05-3.1 µg/mL. Celastramycin A exerts immunosuppressive effects in Drosophila ex vivo via the immunodeficiency pathway (IC50 of 8 ng/mL), inhibits human innate immune responses via the TNF-α pathway, and inhibits IL-8 production in HUEVC with an IC50 of 60 ng/mL^{[1][2]}.

REFERENCES

- [1]. Pullen C, et al., New and bioactive compounds from Streptomyces strains residing in the wood of Celastraceae. *Planta*. 2002 Nov;216(1):162-7. [Content Brief]
- [2]. Kikuchi H, et al., Revised structure and synthesis of celastramycin a, a potent innate immune suppressor. *Org Lett*. 2009 Apr 16;11(8):1693-5. [Content Brief]

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

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