

Cylindrospermopsin

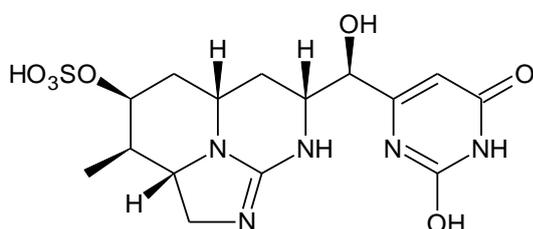
from *Cylindrospermopsis* sp.



Analytical Standard

Product Information

Cat. No.	Amount
CYN-a	about 1 mL (10 µg/mL)



Product Specifications

Molecular Formula	C ₁₅ H ₂₁ N ₅ O ₇ S
Molecular Weight	415.1 g/mol
Purity	>95 % (HPLC)
Source	<i>Cylindrospermopsis</i> sp. strain
Form	solution of 10 µg/mL in deionized water
Shipping	Ambient
Long Term Storage	- 20°C
Shelf life	24 months
Stability	The analytical standard should be used immediately after the vial is opened. Cylindrospermopsin is known to be light sensitive.

Description

Hepatotoxic alkaloid¹ isolated from the freshwater cyanobacterium *Cylindrospermopsis* sp.

The identity of the compound has been confirmed by NMR and MS/MS.

The analytical standard is dissolved in deionized water and ready to use for calibration. It is distributed in amber glass vials containing about 1 ml of a 10 µg/ml solution. Please note that the volume of the solution may only be approximately 1.0 ml. The concentration of each lot is determined spectrophotometrically, confirmed by HPLC, and stated on the Certificate of Analysis.

For research use only!

Not available for sale to end-users without signing an end-use-certificate as required by German and international law.

[1] Ohtani et al., Cylindrospermopsin: A Potent Hepatotoxin from the Blue-Green Alga *Cylindrospermopsis raciborskii*, *J. Am. Chem. Soc.* 1992, 7941-7942

Harada et al., Isolation of Cylindrospermopsin from a Cyanobacterium *Umezakia natans* and its Screening Method, *Toxicol* 1994, 73-84