

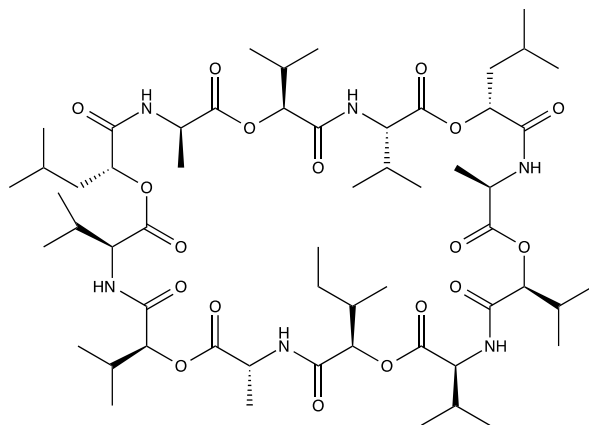
Catalog # 10-2746

Cereulide

CAS# 157232-64-9

Natural product from *Bacillus cereus*

Lot # X107392



An emetic toxin produced by *Bacillus cereus*. Acts as an ionophore with high selectivity for K⁺. Stimulates swelling and respiration in rat liver mitochondria.¹ It is a lipophilic cyclopeptide and is rapidly absorbed in the gut and transported into the bloodstream. The causative agent in various forms of gastroenteritic disease associated with food poisoning.²

WARNING: Exercise caution when handling and using this compound. Avoid exposure.

- 1) Mikkola *et al.* (1999), *Ionophoretic properties and mitochondrial effects of cereulide: the emetic toxin of B. cereus*; Eur. J. Biochem., **263** 112
- 2) Ehling-Schulz *et al.* (2004), *Bacillus cereus, the causative agent of an emetic type of food-borne illness*; Mol. Nutri., **48** 479

PHYSICAL DATA

Molecular Weight:	1153.40
Molecular Formula:	C ₅₇ H ₉₆ N ₆ O ₁₈
Purity:	98% by HPLC
Solubility:	Soluble in DMSO, Ethanol
Physical Description:	Supplied in solution in methanol (25 µg/500µl)
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Diluted solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.