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 gastroenteritis 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: C₅₇H₉₈N₆O₁₈
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.