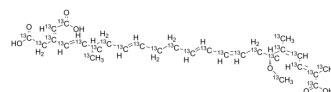


Bongkreikic acid-¹³C₂₈

Cat. No.:	HY-136406S
Molecular Formula:	¹³ C ₂₈ H ₃₈ O ₇
Molecular Weight:	514.39
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Bongkreikic acid-13C₂₈ is the C13 labeled Bongkreikic acid. Bongkreikic acid is a mitochondrial toxin secreted by the bacteria *Pseudomonas cocovenenans*. Bongkreikic acid specific ligand for mitochondrial adenine nucleotide translocase (ANT) rather than the electron transport chain. Bongkreikic acid has to cross the mitochondrial inner membrane to produce its inhibitory effect on ADP/ATP transport^{[1][2]}.

REFERENCES

- [1]. Mehruba Anwar, et al. Bongkreikic Acid-a Review of a Lesser-Known Mitochondrial Toxin. *J Med Toxicol*. 2017 Jun;13(2):173-179.
- [2]. C Dahout-Gonzalez, et al. Molecular, functional, and pathological aspects of the mitochondrial ADP/ATP carrier. *Physiology (Bethesda)*. 2006 Aug;21:242-9.

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

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