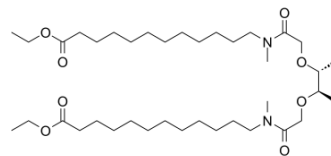


Calcium ionophore I

Cat. No.:	HY-136460
CAS No.:	58801-34-6
Molecular Formula:	C ₃₈ H ₇₂ N ₂ O ₈
Molecular Weight:	684.99
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Calcium ionophore I (ETH 1001) is a selective Ca²⁺ ionophore for biological membranes. Calcium ionophore I can be used in Ca²⁺-selective microelectrodes that can be used for quantitative intracellular measurements of resting Ca²⁺-activities and of slowly changing Ca²⁺-levels^{[1][2]}.

REFERENCES

- [1]. T R Hinds, et al. The effect of ETH 1001 on ion fluxes across red blood cell membranes. *Cell Calcium*. 1985 Jun;6(3):265-79.
- [2]. D Ammann. Ca²⁺-selective microelectrodes. *Cell Calcium*. 1985 Apr;6(1-2):39-55.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA