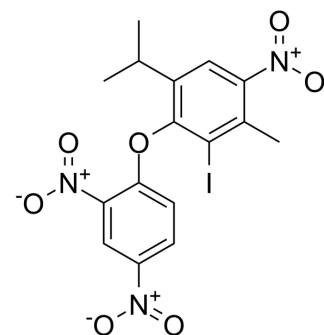


DNP-INT

Cat. No.:	HY-119984
CAS No.:	69311-70-2
Molecular Formula:	C ₁₆ H ₁₄ IN ₃ O ₇
Molecular Weight:	487.2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DNP-INT is a potent photosynthetic electron transport chain (PETC) inhibitor. DNP-INT competently inhibits the oxidation of plastid quinone by binding to the Q0 site of Cyt-b6f (K_d=1.4 nM), thereby inhibiting electron transfer in plants^[1].

REFERENCES

[1]. Barbagallo RP, et al. Effects of inhibitors on the activity of the cytochrome b(6)f complex: evidence for the existence of two binding pockets in the luminal site. *Biochemistry*. 1999 Sep 28;38(39):12814-21.

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