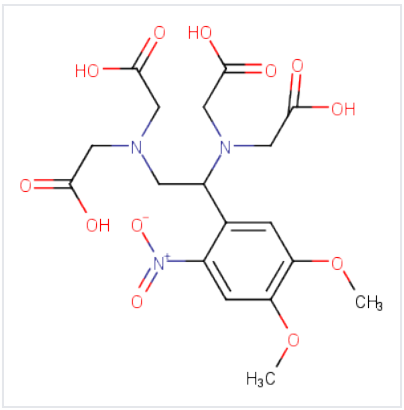
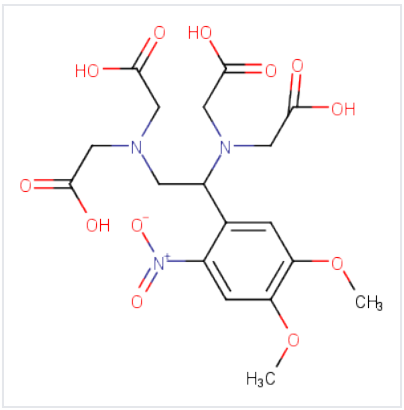
DMNP-EDTA Inhibitor

PRODUCT OVERVIEW

Product Name	DMNP-EDTA, Inhibitor
Full Product Name	DMNP-EDTA
Product Gene Name	DMNP-EDTA, inhibitor
Product Synonym Names	DM Nitrophen; DMNP EDTA; DMNPEDTA; DM-Nitrophen
Purity/Purification	98%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	473.391
SMILES	COc1cc(C(CN(CC(O)=O)CC(O)=O)N(CC(O)=O)CC(O)=O)c(cc1OC)[N+]([O-])=O
Formula	C18H23N3O12
CAS Number	117367-86-9
Solubility	(<1mg/mL refers to the product slightly soluble or insoluble)
Related Product Information for DMNP-EDTA, inhibitor	DMNP-EDTA is a caged Ca2+ chelator which photouncages Cu2+ ions for light-controlled gene expression in yeast.
Product References and Citations for DMNP-EDTA, inhibitor	1 Kuse PM Wandre G Krewal V Hol M Berstenhors SMZ Büch J Pietruszk J Light-controlle gen expressio i yeas usin photocage Cu(2) Biotechnol 201 Se 20 58:117-125 doi 10.1016/j.jbiotec.2017.04.032 Epu 201 Ap 25 PubMe PMID 28455204. 2 Wan M Che Z Xin Y Zhan X Don XZ J GJ Localize Ca2 uncagin induce Ca2 releas throug IP3 i smoot muscle Act Pharmaco Sin 200 Jul 7(7):939-44 PubMe PMID 16787580. 3 J G Feldma M Dora R Zipfe W Kotlikof MI Ca2 -induce Ca2 releas throug localize Ca2 uncagin i smoot muscle Ge Physiol 200 Mar 27(3):225-35 PubMe PMID 16505145 PubMe Centra PMCID PMC2151500. 4 Ullric ND Voet T Prene J Venneken R Talaver K Droogman G Niliu B Compariso o functiona propertie o th Ca2+-activate catio channel TRPM an TRPM fro mice Cel calcium 200 Mar 7(3):267-78 PubMe PMID 15670874.
Other Notes	Small volumes of DMNP-EDTA, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DMNP-EDTA purchase	MBS5781155 is an inhibitor targeting DMNP-EDTA.



Structure of DMNP-EDTA, inhibitor
DMNP-EDTA, CAS 117367-86-9



Structure of DMNP-EDTA, inhibitor
DMNP-EDTA, CAS 117367-86-9

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/dmnp-edta/5781155