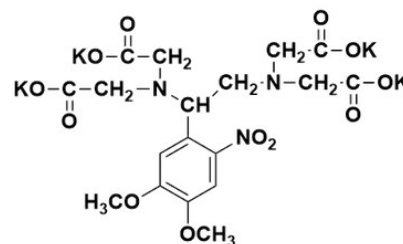


DMNP-EDTA, tetrapotassium salt (Caged Calcium)

Product Description

Name :	DMNP-EDTA, tetrapotassium salt (Caged Calcium)
Catalog Number :	FP-OO5467, 5mg
Molecular Weight :	MW= 626
Solubility:	Water



Storage: -20°C Protect from light and moisture

Introduction

The caged Ca^{2+} chelator, DMNP-EDTA (also known as DM-Nitrophen) upon photolysis, the K_d for Ca^{2+} increases from 5 nM to 3 mM. Thus, photolysis of DMNP-EDTA complexed with Ca^{2+} results in a pulse of free Ca^{2+} . DMNP-EDTA may also be useful for caged magnesium studies, with a K_d for magnesium of 2,5 μM .

Directions for use

Guidelines for use

Protocol may be found in the literature.

References

- **Dibattista M. et al.**, Calcium-activated chloride channels in the apical region of mouse vomeronasal sensory neurons, *J. Gen. Physiol.*, 140: 3 - 15 (2012) [Article](#)
- **Koide M. et al.**, Inversion of neurovascular coupling by subarachnoid blood depends on large-conductance Ca^{2+} -activated K^+ (BK) channels, *PNAS*, 109: E1387 - E1395 (2012) [Article](#)

Technical and scientific information

Related / associated products and documents

See [Product highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

- HEPES, [061940](#)
- CaRuby-Nano, Red Ca^{2+} indicator-Azide (Possible Click Chemistry), [FP-CARUBN](#)

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.
Please inquire for higher quantities (availability, shipment conditions).
For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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