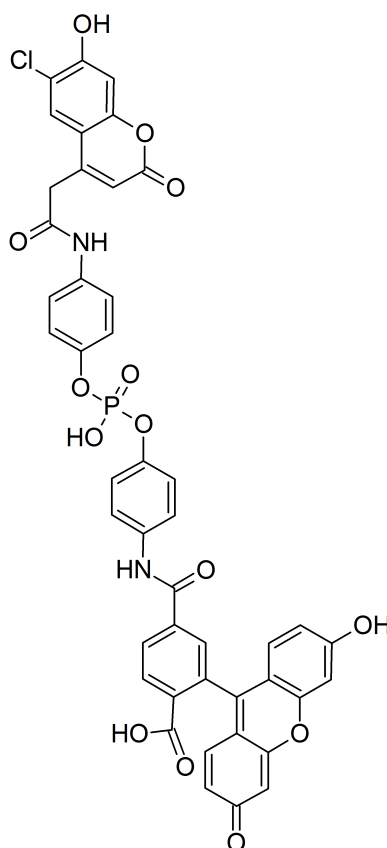


PRODUCT INFORMATION

ME045.1 (0,25 mg)
ME045.2 (0,5 mg)

Product Name: **CPF4, PDE-FRET-Sensor**



Product Specifications

catalogue no.:	ME045
chemical name:	CPF4, PDE-FRET-Sensor
IUPAC name:	4[(4{[(4{[(6-chloro-7-hydroxy-2-oxo-2H-chromen-4-yl)acetyl]amino}phenoxy)-(hydroxy)phosphoryl]oxy}phenyl)carbamoyl]2(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid
molecular formula:	C ₄₄ H ₂₈ ClN ₂ O ₁₄ P
molecular weight [g/mol]:	875.13
CAS:	[-]
purity:	99%+
category:	Medchem Compounds
melting point:	n.d.
boiling point:	n.d.
appearance:	yellow solid
solubility:	DMSO
long term storage:	desiccate at +4°C, dark
NMR analytics:	500 MHz (CDCl ₃)

Safety Information

R-Sentence: R: 36/37/38
 S-Sentence: S: 26-24/25
 hazardous substance symbol: Xn
 safety info: Caution, substance not fully tested. Potential health effects.

References

1. Design and Synthesis of an Enzyme-Cleavable Sensor Molecule for Phosphodiesterase Activity Based on Fluorescence Resonance Energy Transfer. J. Am. Chem. Soc., Vol. 124, no. 8, 2002
2. Design and Synthesis of Intramolecular Resonance-Energy Transfer Probes for Use in Ratiometric Measurements in Aqueous Solution. Angew. Chem. 2000, 112, Nr. 19

Application Notes

Enzyme-cleavable FRET sensor molecule for the ratiometric measurement of Phosphodiesterase activity

Ordering Information

Cat. No.	Product Name	Quantity	Price
ME045.1	4[(4[(4[(6-chloro-7-hydroxy-2-oxo-2H-chromen-4-yl)-acetyl]amino}phenoxy)(hydroxy)phosphoryl]oxy}phenyl)carbamoyl]-2(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid	0,25 mg	595,- €
ME045.2	4[(4[(4[(6-chloro-7-hydroxy-2-oxo-2H-chromen-4-yl)-acetyl]amino}phenoxy)(hydroxy)phosphoryl]oxy}phenyl)carbamoyl]-2(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid	0,5 mg	845,- €