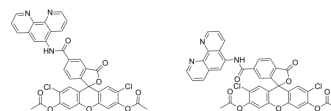


Phen Green SK diacetate (5/6-mixture)

Cat. No.:	HY-126823
CAS No.:	234075-45-7
Molecular Formula:	C ₃₇ H ₂₁ Cl ₂ N ₃ O ₈
Molecular Weight:	706.48
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-80°C, protect from light, stored under nitrogen



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (70.77 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.4155 mL	7.0773 mL	14.1547 mL
	5 mM	0.2831 mL	1.4155 mL	2.8309 mL
	10 mM	0.1415 mL	0.7077 mL	1.4155 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Phen green SK (PGSK) diacetate is a fluorescent heavy metal indicator that reacts with a variety of metal ions, including Fe²⁺, Cd²⁺, Co²⁺, Ni²⁺, Zn²⁺. PGSK diacetate displays excitation/emission maxima of 507/532 nm, respectively, and fluorescence is quenched upon interaction with metal ions

CUSTOMER VALIDATION

- Free Radic Biol Med. 2023 Feb 20;196:108-120.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Petrat F, Rauhen U, de Groot H. Determination of the chelatable iron pool of isolated rat hepatocytes by digital fluorescence microscopy using the fluorescent probe,

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

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