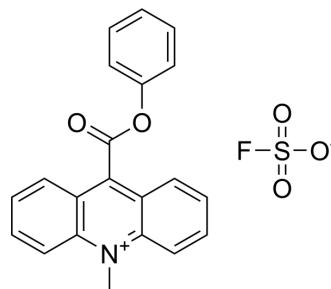


10-Methyl-9-(phenoxycarbonyl)acridinium (fluorosulfonate)

Cat. No.: HY-W402148
CAS No.: 149300-54-9
Molecular Formula: C₂₁H₁₆FNO₅S
Molecular Weight: 413.42
Target: ROS Kinase
Pathway: Protein Tyrosine Kinase/RTK
Storage: 4°C, sealed storage, away from moisture and light
 * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 35.71 mg/mL (86.38 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.4188 mL	12.0942 mL	24.1885 mL
	5 mM		0.4838 mL	2.4188 mL	4.8377 mL
	10 mM		0.2419 mL	1.2094 mL	2.4188 mL

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

BIOLOGICAL ACTIVITY

Description

10-Methyl-9-(phenoxycarbonyl)acridinium fluorosulfonate, a phenyl ester of acridinium esters, is a fluorescent dye that produces chemiluminescent under neutral conditions. 10-Methyl-9-(phenoxycarbonyl)acridinium fluorosulfonate can be used for the measurement of hydrogen peroxide^[1].

REFERENCES

[1]. Arakawa H, et al. Development of a highly sensitive chemiluminescent assay for hydrogen peroxide under neutral conditions using acridinium ester and its application to an enzyme immunoassay. *Luminescence*. 2014 Jun;29(4):374-7.

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

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