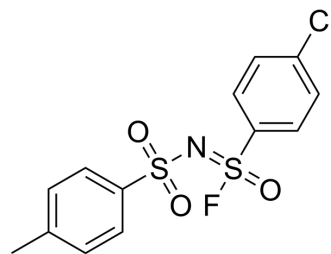


SulfoxFluor

Cat. No.:	HY-132978		
CAS No.:	2143892-50-4		
Molecular Formula:	C ₁₃ H ₁₁ ClFNO ₃ S ₂		
Molecular Weight:	347.81		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (287.51 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.8751 mL	14.3757 mL	28.7513 mL
		5 mM	0.5750 mL	2.8751 mL	5.7503 mL
10 mM		0.2875 mL	1.4376 mL	2.8751 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.19 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.19 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.19 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	SulfoxFluor is a novel deoxyfluorination reagent. SulfoxFluor is shelf-stable, easy-to-handle, fluorine-economical, and highly selective ^[1] .
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REFERENCES

[1]. Guo J, et al. Rapid Deoxyfluorination of Alcohols with N-Tosyl-4-chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor) at Room Temperature. Chemistry. 2019;25(30):7259-7264.

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

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