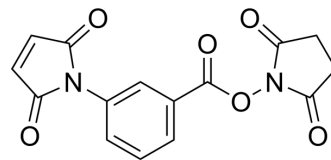


3-Maleimidobenzoic acid N-hydroxysuccinimide ester

Cat. No.:	HY-W021068	
CAS No.:	58626-38-3	
Molecular Formula:	C ₁₅ H ₁₀ N ₂ O ₆	
Molecular Weight:	314.25	
Target:	Others	
Pathway:	Others	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (318.22 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1822 mL	15.9109 mL	31.8218 mL
5 mM	0.6364 mL	3.1822 mL	6.3644 mL
10 mM	0.3182 mL	1.5911 mL	3.1822 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.96 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.96 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Maleimidobenzoic acid N-hydroxysuccinimide ester is used as asymmetric spacers^[1].

REFERENCES

[1]. N. V. Komarova, et al. Optimization of silicon dioxide surface functionalization protocol for designing the receptor layer of a biosensor for detecting explosives. Moscow University Chemistry Bulletin volume 71, pages 25-31 (2016).

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

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