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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

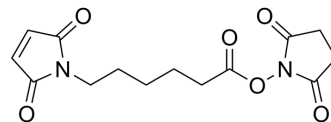
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

6-Maleimidohexanoic acid N-hydroxysuccinimide ester

Cat. No.:	HY-78961
CAS No.:	55750-63-5
Molecular Formula:	C ₁₄ H ₁₆ N ₂ O ₆
Molecular Weight:	308.29
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 230 mg/mL (746.05 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		3.2437 mL	16.2185 mL	32.4370 mL
		5 mM		0.6487 mL	3.2437 mL	6.4874 mL
	10 mM		0.3244 mL	1.6218 mL	3.2437 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: ≥ 7.5 mg/mL (24.33 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 7.5 mg/mL (24.33 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 7.5 mg/mL (24.33 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	6-Maleimidohexanoic acid N-hydroxysuccinimide ester (EMCS) is a heterobifunctional cross-linking reagent. EMCS is used as a unique and useful reagent for preparation of hapten conjugate and enzyme immunoconjugates ^[1] .
IC₅₀ & Target	Non-cleavable Linker
In Vitro	6-Maleimidohexanoic acid N-hydroxysuccinimide ester is coupled to the peptides, and then conjugated to the Adenovirus vector containing luciferase gene as adenovirus vector carrier ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Shinya Kida, et al. Studies on heterobifunctional cross-linking reagents, 6-maleimidohexanoic acid active esters. Chem Pharm Bull (Tokyo). 2007 Apr;55(4):685-7.
- [2]. Shinya Kida, et al. Evaluation of synthetic cell-penetrating peptides, Pro-rich peptide and octaarginine derivatives, as adenovirus vector carrier. Protein Pept Lett. 2010 Feb;17(2):164-7.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA