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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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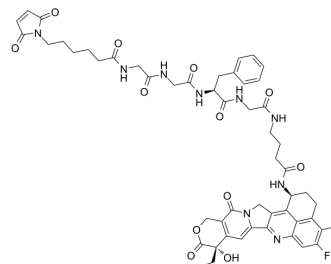
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MC-Gly-Gly-Phe-Gly-GABA-Exatecan

Cat. No.:	HY-160649
CAS No.:	1599439-52-7
Molecular Formula:	C ₅₃ H ₅₈ FN ₉ O ₁₂
Molecular Weight:	1032.08
Target:	Drug-Linker Conjugates for ADC; Topoisomerase
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage
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 : 100 mg/mL (96.89 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.9689 mL	4.8446 mL	9.6892 mL
	5 mM	0.1938 mL	0.9689 mL	1.9378 mL
	10 mM	0.0969 mL	0.4845 mL	0.9689 mL

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

BIOLOGICAL ACTIVITY

Description

MC-Gly-Gly-Phe-Gly-GABA-Exatecan is an agent linker conjugate for ADC, with an inhibitor for Topoisomerase Exatecan (HY-13631) with IC₅₀ of 22 μM. MC-Gly-Gly-Phe-Gly-GABA-Exatecan targets various antibodies, exhibits cytotoxic and antitumor efficacy in vitro and in vivo^{[1][2]}.

In Vitro

MC-Gly-Gly-Phe-Gly-GABA-Exatecan (0-10 μM) exhibits cytotoxicity in cells SR (CD30 positive), HL60 (CD33 positive), U251 (CD70 positive) and Calu-6 (B7-H3 positive) through functions with CD30, CD33, CD70 and B7-H3^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay^[2]

Cell Line: SR, HL60, U251 and Calu-6

Concentration: 0-10 μM

Incubation Time: 6 days

Result: Reduced cell viability.

In Vivo

MC-Gly-Gly-Phe-Gly-GABA-Exatecan (10 mg/kg, i.v. once a week for 2 weeks) exhibits antitumor efficacy in A375 xenograft mice^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	A375 xenograft mice ^[2]
Dosage:	10 mg/kg
Administration:	i.v. once a week for 2 weeks
Result:	Inhibited tumor growth and induced tumor regression.

REFERENCES

[1]. Hettmann T, et al., Anti-her3 antibody-drug conjugate. Patent WO2015155998

[2]. Ogitani Y, et al., Wide application of a novel topoisomerase I inhibitor-based drug conjugation technology. Bioorg Med Chem Lett. 2016 Oct 15;26(20):5069-5072.

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

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