# Data Sheet (Cat.No.T15098)



#### Deruxtecan

#### **Chemical Properties**

CAS No.: 1599440-13-7

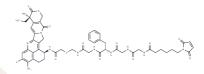
Formula: C52H56FN9O13

Molecular Weight: 1034.05

Appearance: no data available

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



#### **Biological Description**

Description	Deruxtecan is an ADC drug-linker conjugate consisting of a derivative of DX-8951 (DXd) and a maleimide-GGFG peptide linker for the synthesis of DS-8201 and U3-1402.
Targets(IC50)	Others
In vitro	Antibody-drug conjugates deliver anticancer agents selectively and efficiently to tumor tissue which have significant antitumor efficacy with a wide therapeutic window[2].

## **Solubility Information**

Solubility DMSO: 34 mg/mL (32.88 mM)

(< 1 mg/ml refers to the product slightly soluble or insoluble)

**Preparing Stock Solutions** 

	1mg	5mg	10mg
1 mM	0.9671 mL	4.8354 mL	9.6707 mL
5 mM	0.1934 mL	0.9671 mL	1.9341 mL
10 mM	0.0967 mL	0.4835 mL	0.9671 mL
50 mM	0.0193 mL	0.0967 mL	0.1934 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

### Reference

NOGUCHI, Shigeru, et al. METHOD FOR SELECTIVELY MANUFACTURING ANTIBODY-DRUG CONJUGATE. WO2017002776A1.

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