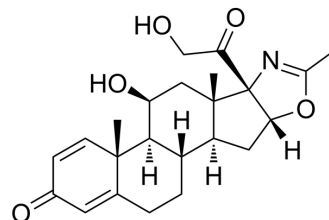


## 21-Desacetyldeflazacort

<b>Cat. No.:</b>	HY-100085		
<b>CAS No.:</b>	13649-57-5		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>29</sub> NO <sub>5</sub>		
<b>Molecular Weight:</b>	399.48		
<b>Target:</b>	Drug Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (625.81 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5033 mL	12.5163 mL	25.0325 mL
5 mM	0.5007 mL	2.5033 mL	5.0065 mL
10 mM	0.2503 mL	1.2516 mL	2.5033 mL

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

### BIOLOGICAL ACTIVITY

#### Description

21-Desacetyldeflazacort (21-desDFZ) is the active metabolite of Deflazacort (HY-13609). Deflazacort is an anti-inflammatory and immunosuppressant. Deflazacort is an inactive pro-drug which can be rapidly converted by esterases to the active metabolite 21-desacetyldeflazacort after oral administration<sup>[1]</sup>.

### REFERENCES

[1]. Möllmann H, et al. Pharmacokinetic/pharmacodynamic evaluation of deflazacort in comparison to methylprednisolone and prednisolone. Pharm Res. 1995 Jul;12(7):1096-100.

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

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