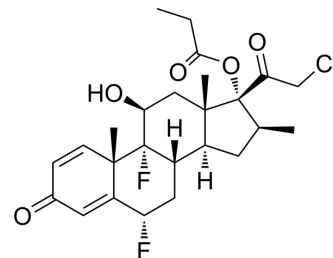


Halobetasol (propionate)

Cat. No.:	HY-B0878
CAS No.:	66852-54-8
Molecular Formula:	C ₂₅ H ₃₁ ClF ₂ O ₅
Molecular Weight:	484.96
Target:	Others
Pathway:	Others
Storage:	<div> <div>Powder</div> <div> <div>-20°C</div> <div>3 years</div> </div> </div> <div> <div>4°C</div> <div>2 years</div> </div> <div> <div>In solvent</div> <div> <div>-80°C</div> <div>2 years</div> </div> </div> <div> <div>-20°C</div> <div>1 year</div> </div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (206.20 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.0620 mL	10.3101 mL	20.6203 mL
	5 mM		0.4124 mL	2.0620 mL	4.1241 mL
	10 mM		0.2062 mL	1.0310 mL	2.0620 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline

Solubility: ≥ 2.5 mg/mL (5.16 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% corn oil

Solubility: ≥ 2.5 mg/mL (5.16 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Halobetasol propionate is a synthetic corticosteroid for topical dermatological use; exhibits anti-inflammatory, antipruritic, and vasoconstrictive properties.

CUSTOMER VALIDATION

- J Am Chem Soc. 2021 Oct 14.

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

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