

Technical Data Sheet

CORTEXOLONE

Compound Information

Product Name:	CORTEXOLONE
CAS No.:	152-58-9
Molecular Formula:	C ₂₁ H ₃₀ O ₄
Molecular Weight:	346.46
Storage:	Store at RT
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Description	Cortodoxone is a glucocorticoid steroid hormone that can be oxygenated to cortisol (Hydrocortisone). Cortodoxone increases tryptophan oxygenase (TO) activity and induces the secretion of corticosterone. Cortodoxone regulates T cell proliferation and activ
Form	Solid
Color	White to Off-White
Melting Point	205-208 °C
Specific Rotation	[α] ₂₀ D= 115 -125 ° (C = 1 in Dioxane)
Purity by HPLC	≥ 98%
Isotopic Enrichment	≥ 98.0%
Solubility	DMSO 40 mg/mL
Solution (Color)	Colorless to faint yellow at 50 mg/ml in EtOH
Solution (Turbidity)	Clear at 50 mg/ml in EtOH
MS	Pass test
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test
Raman	Pass test

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