



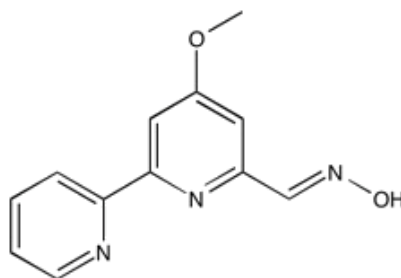
Catalog # 10-2897

Caerulomycin A

21802-37-9

(2Z)-4-Methoxy-2-(nitrosomethylidene)-6-pyridin-2-yl-1H-pyridine

Lot # X106112



A chemically novel and potent immunosuppressive agent. Suppresses T cell activation and IFN γ secretion *in vitro* and *in vivo*¹. Induces expansion of regulatory T cells by via interfering with IFN γ -induced STAT1 signaling².

- 1) Singla *et al.* (2014), *Caerulomycin A suppresses immunity by inhibiting T cell activity*; PLoS One, **9(10)** e107051
- 2) Gurram *et al.* (2014), *Caerulomycin A enhances transforming growth factor-beta (TGF-beta)-Smad3 protein signaling by suppressing interferon-gamma (IFN-gamma)-signaling to expand regulatory T cells (Tregs)* J. Biol. Chem. **289** 17515

PHYSICAL DATA

Molecular Weight:	229.23
Molecular Formula:	C ₁₂ H ₁₁ N ₃ O ₂
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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