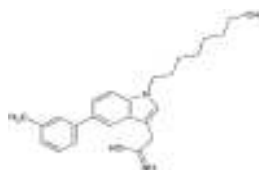


# Cysmethynil

**ALTERNATE NAME:** 5-(3-methylphenyl)-1-octyl-1H-indole-3-acetamide  
Icmt Inhibitor

**CATALOG #:** B2544-5 5 mg  
B2544-25 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>25</sub>H<sub>32</sub>N<sub>2</sub>O

**MOLECULAR WEIGHT:** 376.5

**CAS NUMBER:** 851636-83-4

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98%

**SOLUBILITY:** >5 mg/ml DMSO

**DESCRIPTION:** Cysmethynil is a potent, time-dependent inhibitor of Icmt (IC<sub>50</sub> = <200 nM). It acts as a competitive inhibitor with respect to the isoprenylated cysteine substrate and a noncompetitive inhibitor with respect to S-adenosylmethionine (K<sub>i</sub> = 0.14 μM for the final complex). It does not inhibit other enzymes in the prenylation pathway (farnesyltransferase, geranylgeranyltransferase type I, and Rce1) at concentrations up to 50 μM, or related methyltransferases.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Andrastin A, *Aspergillus fumigatus* (2149)  
Manumycin A (2333)  
Tipifarnib, Free base (2296)  
FTI-277 hydrochloride (2874)  
L-778123 hydrochloride (9638)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*