

Product Name: SUN-B 8155

Catalog No.: 2550

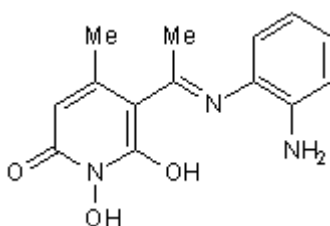
Batch No.: 2

CAS Number: 345893-91-6

IUPAC Name: 5-[1-[(2-Aminophenyl)imino]ethyl]-1,6-dihydroxy-4-methyl-2(1*H*)-pyridone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₅N₃O₃
Batch Molecular Weight: 273.29
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.66 (Chloroform:Methanol [3:1])
¹H NMR: Consistent with structure
¹³C NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.53	5.53	15.37
Found	61.68	5.57	15.37

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: 5-[1-[(2-Aminophenyl)imino]ethyl]-1,6-dihydroxy-4-methyl-2(1*H*)-pyridone

Description:

Non-peptide calcitonin (CT) receptor agonist that fully stimulates cAMP production in CHO/hCTR cells ($EC_{50} = 21 \mu\text{M}$). Causes a significant reduction in serum calcium concentrations in vivo following i.p. administration.

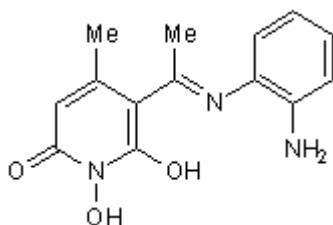
Physical and Chemical Properties:

Batch Molecular Formula: $C_{14}H_{15}N_3O_3$

Batch Molecular Weight: 273.29

Physical Appearance: Yellow solid

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Katayama et al (2001) Discovery of a non-peptide small molecule that selectively mimics the biological actions of calcitonin. *Biochim.Biophys.Acta* **1526** 183. PMID: 11325540.

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