

Cylindramide Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cylindramide

Catalog No.: CFN00112

Cas No.: 147362-39-8

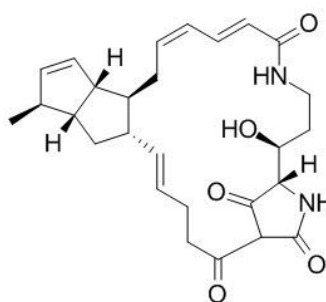
Purity: > 95%

M.F: C₂₇H₃₄N₂O₅

M.W: 466.57

Physical Description: Powder

Synonyms:



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

From *Halichondria cylindrata*.

[Biological Activity or Inhibitors]

Cylindramide, a cytotoxic tetramic acid lactam isolated from the marine sponge

Halichondria cylindrata, it is cytotoxic against B16 melanoma cells with an IC50 of 0.8 $\mu\text{g}/\text{mL}$.^[1]

(+)-Cylindramide has anti-microbial properties.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]

Not data available.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Kanazawa S, Fusetani N, Matsunaga S. *Tetrahedron Lett.*, 1993, 34(6):1065-8.

[2] Hart A C, Phillips A J. *Synfacts*, 2006, 2006(07):0643-0643.

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