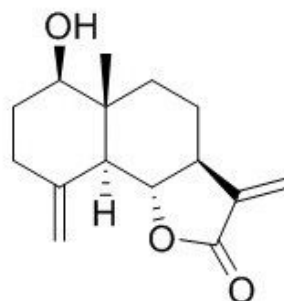


Reynosin Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Reynosin**Catalog No.:** CFN98344**Cas No.:** 28254-53-7**Purity:** > 95%**M.F:** C₁₅H₂₀O₃**M.W:** 248.3**Physical Description:** Powder**Synonyms:** (3aS,5aR,6R,9aS,9bS)-6-Hydroxy-5a-methyl-3,9-dimethylidenedecahydrophtho[1,2-b]furan-2(3H)-one.**[Intended Use]**

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

[Source]The roots of *Dolomiaea souliei* (Franch.) Shih.**[Biological Activity or Inhibitors]**

Reynosin has hepatoprotective effects, it can inhibit thioacetamide-induced apoptosis in primary hepatocytes and an in vivo mouse model.^[1]

Reynosin has protective effect against dopamine-induced neuronal cell death, which may be due to the reciprocal up-regulation of E6-associated protein and down-regulation of α -synuclein protein expression.^[2]

Reynosin has strong anti-mycobactericidal activity, with a minimal bactericidal concentration (MBC) of 128ug/mL against the H37Rv, 366-2009 and 104-2010 Mtb strains and a minimal inhibitory concentration (MIC) of 64, 64, 128, 128 and 128ug/mL against the H37Rv, 104-2010, 63-2009, 366-2009 and 430-2010 Mtb strains, respectively.^[3]

Reynosin can inhibit nitric oxide (NO) production in lipopolysaccharide (LPS)-activated murine macrophages.^[4]

Reynosin shows cytotoxicity against the KB cancer cell line (ATCC CCL17), with IC₅₀ value of 2.7 microg/mL.^[5]

Reynosin shows moderate anti-inflammatory activity, it exhibits a concentration-related decrease in the levels of IL-1 β , IL-6, TNF- α , PGE2, lipoxgenase-5, and COX-2.^[6]

[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]

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[4] De M S, Borbone N, Zollo F, *et al.Planta Med.*,2005 Aug;71(8):706-10.

[5] Hilmi F, Sticher O, Heilmann J. *Planta Med.*,2003 May;69(5):462-4.

[6] Alattas A A, Elshaer N S, Mohamed G A, *et al. J. Ethnopharmacol.*,2015 Dec 24;176:
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