

## Solasodine Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Solasodine

**Catalog No.:** CFN90200

**Cas No.:** 126-17-0

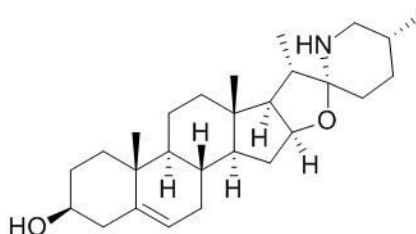
**Purity:** >=98%

**M.F:** C<sub>27</sub>H<sub>43</sub>NO<sub>2</sub>

**M.W:** 413.62

**Physical Description:** Powder

**Synonyms:** Salasdine; Solancarpidine;(3beta,22alpha,25R)-Spirosol-5-en-3-ol.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Solanum nigrum* L.

### [ Biological Activity or Inhibitors ]

Solasodine and solamargine are drugs which can inhibit mdrl efflux pump of lymphoma

cells, T cell proliferative and cell mediated immune functions.<sup>[1]</sup>

Solasodine and of 'Kennebec' potato sprouts in hamsters have teratogenicity.<sup>[2]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Methanol- Buffer (either 20 mM phosphate (pH 3.5) or 10 mM Tris (pH 7.0)),  
gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 205 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Berek L, Szabó D, Petri I B, *et al. Vivo*, 2001, 15(2):151-6.

[2] Keeler R F, Brown D, Douglas D R, *et al. B. Environ. Contam. Tox.*, 1976, 15(5):522-4.

[3] Kittipongpatana N, Porter J R, Hock R S. *Phytochem. Analysis*, 1999, 10(1):26-31.

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