

**BVT-0279**

BVT-0279-M001 1 mg

Formula C<sub>12</sub>H<sub>15</sub>NO<sub>4</sub>  
MW 237.255  
CAS 72597-14-9  
Merck Index  
RTECS

**Handling / Storage**

Shipping Ambient  
Short Term Storage +4°C  
Long Term Storage -20°C

Protect from light when in solution.

**Use / Stability**

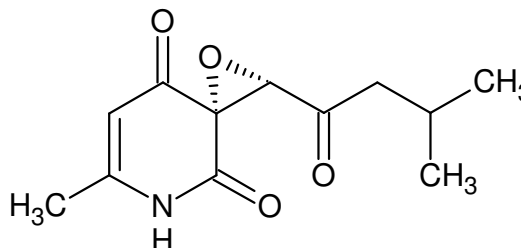
Stable for at least 1 year after receipt when stored, as supplied, at +4°C.

**Hazard / Toxicity**

MSDS available upon request.

**(+)-Flavipucine**

6-Methyl-2-(3-methyl-1-oxobutyl)-1-oxa-5-azaspiro[2.5]oct-6-ene-4,8-dione. Glutamicine. Glutamycin. FRT-B.



**Product Specifications**

Source/Host Isolated from *Phoma sp. BS 7204*.  
Purity Detail >96% (HPLC, <sup>1</sup>H-NMR).  
Appearance White to off-white solid.  
Solubility Soluble in DMSO, methanol, dichlormethane.

**Other Product Data**

Identity Determined by <sup>1</sup>H-NMR.

Date: 20-Oct-2014

**WARNING:** Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

---

## Product Description

- Phytotoxin (Fruit rot toxin).
- Antibacterial activity.
- Antifungal activity.

---

## Product Specific References

1. *Synthesis and biological activity of flavipucine analogs*: N. N. Girotra, et al.; *J. Med. Chem.* **23**, 209 (1980)
2. *Isolation and identification of fruit rot toxins from the fungus-caused Macrophoma fruit rot of apple*: T. Sassa, et al.; *Agric. Biol. Chem.* **47**, 1155 (1983)
3. *The biosynthesis of plant alkaloids and nitrogenous microbial metabolites*: R. B. Herbert; *Nat. Prod. Rep.* **7**, 105 (1990)
4. *Flavipucine and brunnnescin, two antibiotics from cultures of the mycophilic fungus Cladobotryum rubrobrunnescens*: C. Wagner, et al.; *J. Biosci.* **50**, 358 (1995)
5. *Multifactorial induction of an orphan PKS-NRPS gene cluster in Aspergillus terreus*: M. Gressler, et al.; *Chem. Biol.* **18**, 198 (2011)
6. *(+)-Flavipucine, the missing member of the pyridione epoxide family of fungal antibiotics*: S. Loesgen, et al.; *Eur. J. Chem.* **26**, 5156 (2011)

---

**WARNING:** Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.