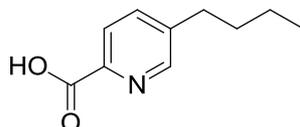


## Fusaric acid

Code No.: **BIA-F1652**

Pack sizes: **5 mg, 25 mg**



Synonyms : 5-Butylpicolinic acid; NSC19870; NSC 135043

### Specifications

CAS #	: 536-69-6
Molecular Formula	: C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub>
Molecular Weight	: 179.2
Source	: <i>Fusarium oxysporum</i>
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

### Application Notes

Fusaric acid was isolated as a phytotoxin from *Fusarium heterosporium* by Yabuta and colleagues in 1934. Fusaric acid is a picolinic acid derivative that displays a broad range of activity against Gram positive and Gram negative bacteria, fungi, yeast and mammalian tumor cell lines. Re-discovery of fusaric acid as a hypotensive agent, acting via potent inhibition of dopamine β-hydroxylase, has sustained interest in fusaric acid as an experimental reagent.

### References

1. Fusaric acid. The Merck Index Edition 15, 2013, 793. citation of Yabuta et al., J. Agric. Chem. Soc. Jpn. 1934, 10, 1059.
2. Fusaric acid, a hypotensive agent produced by fungi. Hidaka H. et al., J. Antibiot. 1996, 22, 228.