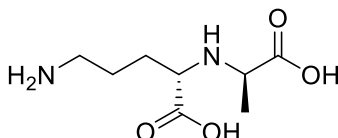


## Octopinic acid

Code No.: **BIA-O2479**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : (+)-Octopinic acid

### Specifications

CAS #	: <b>20197-09-5</b>
Molecular Formula	: <b>C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub></b>
Molecular Weight	: <b>204.22</b>
Source	: <b>Synthetic</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

### Application Notes

Octopinic acid is an opine found in crown gall tissue of *Scorzonera* root infected with *Agrobacterium tumefaciens*. Octopinic acid, octopine and lysopine, but not histopine, induce conjugative activity of the octopine Ti plasmid of *A. tumefaciens* strain B6S3. Some fungi are known to catabolise octopinic acid to provide their sole source of carbon and nitrogen.

### References

1. Presence of a new amino acid in the tissue of crown gall. Menage A & Morel G. *Comptes Rendus des Seances de la Societe de Biologie et de Ses Filiales* 1965, 159, 561.
2. Fungal catabolism of crown gall opines. Beauchamp C.J. et al. *Applied Environ. Microbiol.* 1990, 56, 150.
3. Regulation of the transfer of TI plasmids of *Agrobacterium tumefaciens*. Hooykaas P.J.J. et al. *J Gen Microbiol.* 1979, 110, 99.