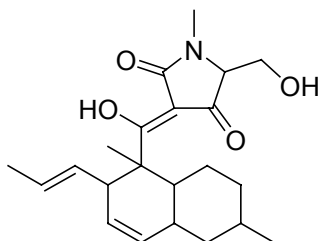


Equisetin

Code: **BIA-E1029**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms :

Specifications

CAS #	: 57749-43-6
Molecular Formula	: C₂₂H₃₁NO₄
Molecular Weight	: 373.5
Source	: <i>Fusarium equiseti</i> MST-FP193
Appearance	: Tan Lyophilisate
Purity	: > 99% by HPLC
Long Term Storage	: +4°C
Solubility	: Soluble in ethyl acetate, ethanol, methanol, DMF or DMSO.

Application Notes

The tetramic acid, Equisetin, is produced by a number of species of *Fusarium*. Interest in equisetin emerged with reports of its inhibitory activity against human immunodeficiency virus type 1 (HIV-1) integrase *in vitro* that was mechanistically distinct from previously described inhibitors. Equisetin inhibits 3' end-processing and strand transfer as well as disintegration catalysed by either the full-length enzyme or the truncated integrase core.

References

1. Isolation and characterization of novel human immunodeficiency virus integrase inhibitors from fungal metabolites. Hazuda D. et al. *Antivir. Chem. Chemother.* **1999**, 10, 63.
2. Equisetin, an antibiotic from *Fusarium equiseti* NRRL 5537, identified as a derivative of N-methyl-2,4-pyrrolidone. Vesonder R.F. *J. Antibiot.* **1979**, 32, 759.