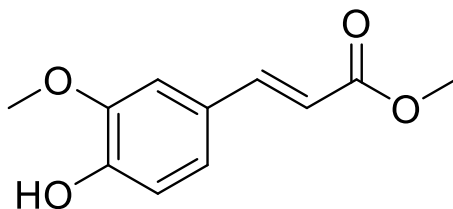


## Methyl trans-ferulate

Code No.: **BIA-M3088**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : trans-Ferulic acid methyl ester

### Specifications

CAS #	: 22329-76-6
Molecular Formula	: C <sub>11</sub> H <sub>12</sub> O <sub>4</sub>
Molecular Weight	: 208.2
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol and DMSO.

### Application Notes

Methyl trans-ferulate is the trans methyl ester of ferulic acid, the cornerstone building block of lignocelluloses. Methyl trans-ferulate is widely found as an endogenous metabolite in plants and fungi. Methyl trans-ferulic acid, like all ferulates, possesses radical scavenging and anti-oxidant activity, and broad albeit weak antimicrobial activity.

### References

1. Anselmi C. et al (2004). Antioxidant activity of ferulic acid alkyl esters in a heterophasic system: A mechanistic insight. *J. Agric. Food Chem.*, 52, 6425.
2. Song W. et al. (2023). Alkyl ferulic acid esters: Evaluating their structure and antibacterial properties. *Front. Microbiol.*, 14, 1.

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