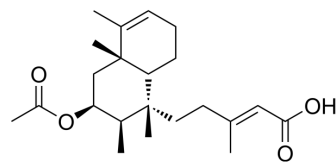


## Solidagonic acid

Cat. No.:	HY-N11128
CAS No.:	19941-91-4
Molecular Formula:	C <sub>22</sub> H <sub>34</sub> O <sub>4</sub>
Molecular Weight:	362.5
Target:	Kinesin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Solidagonic acid inhibits HSET motor activity by promoting the conversion from abnormal monopolar to bipolar spindles. Solidagonic acid suppresses fission yeast cell death and enables reversion of the mitotic spindles from a monopolar to bipolar morphology. Solidagonic acid showed the growth inhibitory activity on the seedlings of *Lactuca sativa* L. and *Lolium multiflorum* Lam<sup>[1][2]</sup>.

### REFERENCES

[1]. Naoaki Kurisawa, et al. Kolavenic acid analog restores growth in HSET-overproducing fission yeast cells and multipolar mitosis in MDA-MB-231 human cells. *Bioorg Med Chem.* 2020 Jan 1;28(1):115154.

[2]. Hisashi Kato-Noguchi, et al. Allelopathy and Allelochemicals of *Solidago canadensis* L. and *S. altissima* L. for Their Naturalization. *Plants (Basel).* 2022 Nov 25;11(23):3235.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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