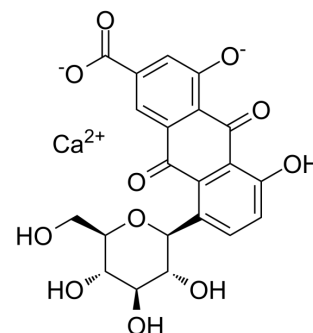


## Rhein-8-glucoside calcium

<b>Cat. No.:</b>	HY-N0312
<b>CAS No.:</b>	113443-70-2
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>16</sub> CaO <sub>11</sub>
<b>Molecular Weight:</b>	484.42
<b>Target:</b>	Phosphatase; Bacterial
<b>Pathway:</b>	Metabolic Enzyme/Protease; Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Rhein-8-glucoside calcium, an anthraquinone compound, is isolated from the EtOH extract of the roots of Saussurea lappa. Rhein-8-glucoside calcium is an hPTP1B inhibitor, with an IC <sub>50</sub> of 11.5 μM. Rhein-8-glucoside calcium has antibacterial effects <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 11.5 μM (hPTP1B) <sup>[1]</sup>

### REFERENCES

- [1]. Li S, et, al. PTP1B inhibitors from Saussurea lappa. J Asian Nat Prod Res. Apr-May 2006;8(3):281-6.
- [2]. Zhang Y, et, al. Effects of Rhein-8-O-β-D-glucopyranoside on the Biofilm Formation of Streptococcus mutans. Curr Microbiol. 2020 Oct 31.
- [3]. Zhang LS, et, al. Rhein-8-O-β-D-glucopyranoside inhibited high glucose-induced apoptosis of human mesangial cells by regulating the lincRNA ANRIL/let-7a/TGF-β1/Smad signaling pathway. Exp Ther Med. 2020 Apr;19(4):2871-2878.

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

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