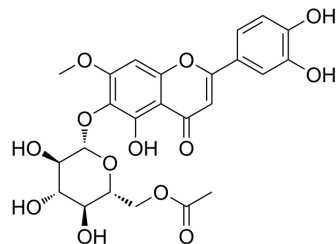


## Pedaliin 6''-acetate

<b>Cat. No.:</b>	HY-N10642
<b>CAS No.:</b>	160789-41-3
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>24</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	520.44
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Pedaliin 6''-acetate (compound 10) is a natural product that can be isolated from <i>Dracocephalum tanguticum</i> . Pedaliin 6''-acetate shows antioxidative activity and cytoprotective effect on doxorubicin (DOX)-induced toxicity in H9c2 cardiomyocytes with an EC <sub>50</sub> value of 19.1 μM <sup>[1]</sup> .
<b>In Vitro</b>	<p>Pedaliin 6''-acetate scavenges 1,1-diphenyl-2-picrylhydrazyl (DPPH) free radical with an EC<sub>50</sub> value of 95.24 μM<sup>[1]</sup>.</p> <p>Pedaliin 6''-acetate chelates ferrous ions with an EC<sub>50</sub> value of 1.13 mM<sup>[1]</sup>.</p> <p>Pedaliin 6''-acetate scavenges ABTS<sup>+</sup> cation radical with an EC<sub>50</sub> value of 76.19 μM<sup>[1]</sup>.</p> <p>Pedaliin 6''-acetate shows cytoprotective effect on DOX-induced toxicity in H9c2 cardiomyocytes with an EC<sub>50</sub> value of 19.1 μM<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Wang SQ, et al. Flavonoids from *Dracocephalum tanguticum* and their cardioprotective effects against doxorubicin-induced toxicity in H9c2 cells. *Bioorg Med Chem Lett*. 2010 Nov 15;20(22):6411-5.

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

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