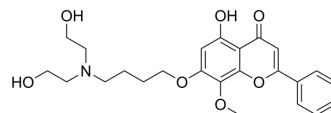


## PERK/eIF2 $\alpha$ activator 1

Cat. No.:	HY-158196
CAS No.:	1178583-17-9
Molecular Formula:	C <sub>24</sub> H <sub>29</sub> NO <sub>7</sub>
Molecular Weight:	443.49
Target:	PERK; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

PERK/eIF2 $\alpha$  activator 1 (compound V8) is a flavonoid with an anti-tumor activity. PERK/eIF2 $\alpha$  activator 1 induces apoptosis and activates the PERK-eIF2 $\alpha$ -ATF4 pathway. PERK/eIF2 $\alpha$  activator 1 inhibits HepG2 cell proliferation with an IC<sub>50</sub> value of 23  $\mu$ M<sup>[1]</sup>.

### REFERENCES

[1]. Yi Zhang, et al. V8, a newly synthetic flavonoid, induces apoptosis through ROS-mediated ER stress pathway in hepatocellular carcinoma. Arch Toxicol. 2014, 88, 1.

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

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