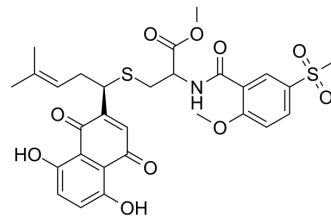


## PKM2 activator 6

Cat. No.:	HY-156375
Molecular Formula:	C <sub>29</sub> H <sub>31</sub> NO <sub>10</sub> S <sub>2</sub>
Molecular Weight:	617.69
Target:	Pyruvate Kinase; PDK-1
Pathway:	Metabolic Enzyme/Protease; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

PKM2 activator 6 (Compound Z10) is a PKM2 activator and PDK1 inhibitor ( $K_D$ : 121 and 19.6  $\mu$ M respectively). PKM2 activator 6 induces colorectal cell apoptosis, and inhibits cell proliferation and migration. PKM2 activator 6 inhibits glycolysis. PKM2 activator 6 inhibits proliferation of DLD-1, HCT-8, HT-29, MCF-10A cells ( $IC_{50}$ : 10.04, 2.16, 3.57, 66.39  $\mu$ M)<sup>[1]</sup>.

### REFERENCES

[1]. Ma Y, et al. Design, synthesis and biological evaluation of novel modified dual-target shikonin derivatives for colorectal cancer treatment. *Bioorg Chem.* 2023 Oct;139:106703.

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

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