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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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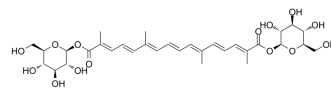
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Crocin IV

Cat. No.:	HY-N9371
CAS No.:	57710-64-2
Molecular Formula:	C ₃₂ H ₄₄ O ₁₄
Molecular Weight:	652.68
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Crocin IV (Dicrocin), a crocetin glycoside, is a carotenoid pigment. Crocin IV has potent antioxidant activity ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	<p>Crocin IV (Dicrocin; 10 μM; 24 hours) has little or no effect on the prolongation of cell survival in PC12 cell^[1].</p> <p>Crocin IV enhances γ-GCS mRNA expression in serum-deprived and hypoxic PC12 cells^[1].</p> <p>Measurements of cell viability, peroxidized membrane lipids and caspase-3 activity showed that the rank order of the neuroprotective potency at a concentration of 10 μM is crocin>tricrocin>dicrocin and picrocrocin (the latter two crocins had a little or no potency)^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Takashi Ochiai, et al. Protective effects of carotenoids from saffron on neuronal injury in vitro and in vivo. *Biochim Biophys Acta*. 2007 Apr;1770(4):578-84.

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

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