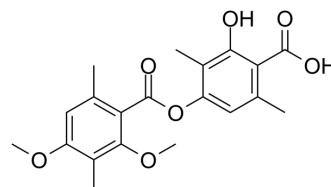


Diffractaic acid

Cat. No.:	HY-N2399
CAS No.:	436-32-8
Molecular Formula:	C ₂₀ H ₂₂ O ₇
Molecular Weight:	374.38
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Diffractaic acid, a major constituent of <i>U. longissimi</i> , acts as an effective proapoptotic agent in various disorders research ^[1] . Diffractaic acid is the analgesic and antipyretic component of <i>Usnea diffracta</i> ^[2] .
In Vivo	Diffractaic acid shows an analgesic effect by Acetic acid-induced writhing and tail-pressure methods in mice ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Fehmi Odabasoglu, et al. Diffractaic acid, a novel proapoptotic agent, induces with olive oil both apoptosis and antioxidative systems in Ti-implanted rabbits. *Eur J Pharmacol.* 2012 Jan 15;674(2-3):171-8.

[2]. E Okuyama, et al. Usnic acid and diffractaic acid as analgesic and antipyretic components of *Usnea diffracta*. *Planta Med.* 1995 Apr;61(2):113-5.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA