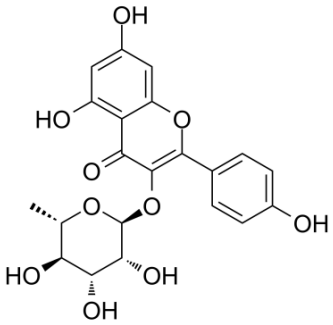
Afzelin

Cat. No.:	HY-N1441
CAS No.:	482-39-3
Molecular Formula:	$C_{21}H_{20}O_{10}$
Molecular Weight:	432.38
Target:	Mitochondrial Metabolism; PTEN; Autophagy
Pathway:	Metabolic Enzyme/Protease; PI3K/Akt/mTOR; Autophagy
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Afzelin (Kaempferol-3-O-rhamnoside) is is a flavonol glycoside found in Houttuynia cordata Thunberg and is widely used in the preparation of antibacterial and antipyretic agents, detoxicants and for the treatment of inflammation. Afzelin attenuates the **mitochondrial damage**, enhances **mitochondrial biogenesis** and decreases the level of **mitophagy-related proteins**, parkin and **PTEN-induced putative kinase 1**. Afzelin improves the survival rate and reduces the serum levels of alanine aminotransferase and pro-inflammatory cytokines in D-galactosamine (GalN)/LPS -treated mice[1].

REFERENCES

[1]. Lee SB, et al. Afzelin ameliorates D-galactosamine and lipopolysaccharide-induced fulminant hepatic failure by modulating mitochondrial quality control and dynamics. Br J Pharmacol. 2017 Jan;174(2):195-209.

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