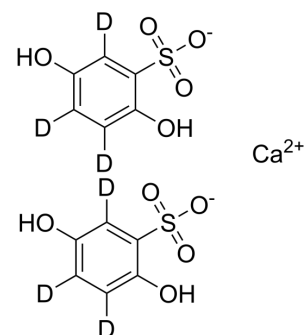


Dobesilate-d₆ calcium

Cat. No.:	HY-111603S
Molecular Formula:	C ₁₂ H ₄ D ₆ CaO ₁₀ S ₂
Molecular Weight:	424.45
Target:	Apoptosis; Isotope-Labeled Compounds
Pathway:	Apoptosis; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dobesilate-d ₆ (calcium) is deuterium labeled Calcium dobessilate. Calcium dobessilate, a vasoprotective, is widely used in chronic venous disease, diabetic retinopathy and the symptoms of haemorrhoidal attack in many countries.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Allain H, et al. Safety of calcium dobessilate in chronic venous disease, diabetic retinopathy and haemorrhoids. *Drug Saf.* 2004;27(9):649-60.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

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

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