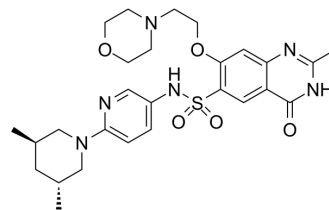


CK-963

Cat. No.:	HY-162345
CAS No.:	2851991-63-2
Molecular Formula:	C ₂₇ H ₃₆ N ₆ O ₅ S
Molecular Weight:	556.68
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CK-963 is an activator for cardiac troponin (cTnC) with K _i of 11.5 μM. CK-963 exhibits activity in enhancing cardiac contractility in Sprague-Dawley rats ^[1] .						
In Vivo	CK-963 (0.5 mg/kg, i.v.) reveals a pharmacokinetic profil with a clearance <25% in hepatic blood flow and a half-time of 0.6 h in Sprague-Dawley rats ^[1] . Pharmacokinetic Analysis in SD rats Model ^[1]						
	Route	Dose (mg/kg)	Solubility (μM)	CL (mL·min/kg)	T _{1/2} (h)	V _d (L/kg)	PPB (% unbound)
	i.v.	0.5	107.2	7.1	0.6	3.8	3.7
MCE has not independently confirmed the accuracy of these methods. They are for reference only.							

REFERENCES

[1]. Collibee SE, et al., Cardiac Troponin Activator CK-963 Increases Cardiac Contractility in Rats. J Med Chem. 2024 Mar 7.

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