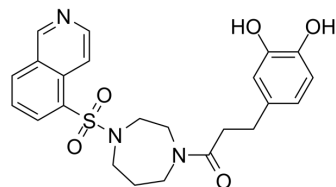


ROCK2-IN-5

Cat. No.:	HY-145294
Molecular Formula:	C ₂₃ H ₂₅ N ₃ O ₅ S
Molecular Weight:	455.53
Target:	ROCK
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ROCK2-IN-5 (compound 1d) is a hybrid compound containing structural fragments of the Rho kinase inhibitor fasudil and the NRF2 inducers caffeic and ferulic acids. ROCK2-IN-5 has good multitarget profile and good tolerability. ROCK2-IN-5 has the potential for thr research of Amyotrophic lateral sclerosis (ALS) with a SOD1 mutation ^[1] .
IC ₅₀ & Target	ROCK2 2.13 μM (IC ₅₀)

REFERENCES

[1]. Martín-Cámara O, et al. Multitarget Hybrid Fasudil Derivatives as a New Approach to the Potential Treatment of Amyotrophic Lateral Sclerosis. *J Med Chem.* 2022;65(3):1867-1882.

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

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