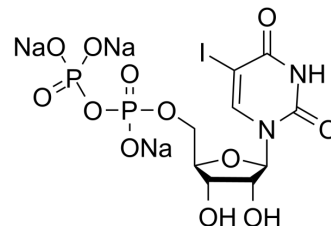


MRS2693 trisodium

Cat. No.:	HY-117356B
CAS No.:	1448858-83-0
Molecular Formula:	C ₉ H ₁₀ IN ₂ Na ₃ O ₁₂ P ₂
Molecular Weight:	596
Target:	P2Y Receptor; NF-κB; ERK
Pathway:	GPCR/G Protein; NF-κB; MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MRS2693 trisodium is a selective P2Y6 agonist with an EC₅₀ value of 0.015 μM. MRS2693 trisodium can reduce the activation of NF-kappaB and activate the ERK1/2 pathway, and has a cytoprotective effect on mouse hindlimb skeletal muscle ischemia-reperfusion injury model^{[1][2]}.

REFERENCES

- [1]. Girard M, et al. Ligand-dependent intracellular trafficking of the G protein-coupled P2Y6 receptor. *Biochim Biophys Acta Mol Cell Res.* 2023 Jun;1870(5):119476.
- [2]. Mamedova LK, et al. Attenuation of apoptosis in vitro and ischemia/reperfusion injury in vivo in mouse skeletal muscle by P2Y6 receptor activation. *Pharmacol Res.* 2008 Sep-Oct;58(3-4):232-9.

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

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