**Product Name:** Dorzolamide  
**CAS No.:** 120279-96-1  
**Cat. No.:** HY-B0109  
**MWT:** 324.44  
**Formula:** \( \text{C10H16N2O4S3} \)  
**Purity:** >98%  
**Solubility:**  
- H2O: 14 mg/mL, DMSO: < 1 mg/mL  

**Mechanisms:**  
Pathways: Others; Target: Others

**Biological Activity:**  
Dorzolamide (L671152; MK507) is an anti-glaucoma agent, which is a carbonic anhydrase inhibitor. Target: carbonic anhydrase (CA)

Dorzolamide is a carbonic anhydrase inhibitor. It is an anti-glaucoma agent, and acts by decreasing the production of aqueous humour [1].

Glaucoma was induced in the right eye of adult Wistar rats by episcleral venous occlusion. One experimental group was administered dorzolamide 2%-timolol 0.5% combination eye drops, while the other experimental group was administered dorzolamide 2% eye drops. Control groups had surgery without drug administration. Drug application was initiated either 2 weeks before surgery (Group A), from the day of surgery (Group B), 2 weeks after surgery (Group C), or 4 weeks after surgery (Group D). RGCs were labeled by intratectal Fluorogold injections and counted from flat-mount preparations, and IOP was measured us...

**References:**  

**Caution:** Not fully tested. For research purposes only

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