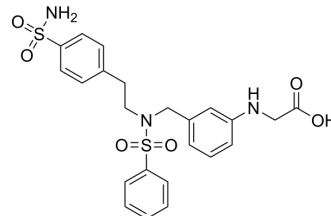


## Carbonic anhydrase inhibitor 19

Cat. No.:	HY-162226
Molecular Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>3</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	503.59
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Carbonic anhydrase inhibitor 19 (compound 26a) inhibits the Glaucoma related isoforms hCA II and hCA XII with K <sub>i</sub> s of 9.4 nM and 6.7 nM, respectively. Carbonic anhydrase inhibitor 19 reveals an intraocular pressure (IOP) lowering effect <sup>[1]</sup> .				
<b>IC<sub>50</sub> &amp; Target</b>	hCA IX 4.7 nM (IC <sub>50</sub> )	hCA XII 6.7 nM (IC <sub>50</sub> )	hCA II 9.4 nM (IC <sub>50</sub> )	hCA I 49.1 nM (IC <sub>50</sub> )	

### REFERENCES

[1]. Angeli A, et al., Novel Carbonic Anhydrase Inhibitors with Dual-Tail Core Sulfonamide Show Potent and Lasting Effects for Glaucoma Therapy. J Med Chem. 2024 Jan 24.

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

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