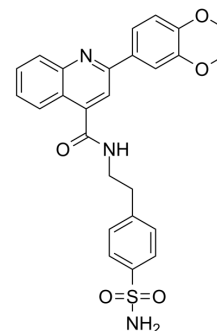


## Carbonic anhydrase inhibitor 6

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-144640   |
| CAS No.:           | 1013213-84-7  |
| Molecular Formula: | C <sub>26</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S                           |
| Molecular Weight:  | 491.56  |
| Target:            | Carbonic Anhydrase  |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

Carbonic anhydrase inhibitor 6 (compound 9b) is a potent inhibitor of human carbonic anhydrase (hCA), with K<sub>i</sub>s of 9.7 nM, 35.2 nM, 88.5 nM, and 91.8 nM for hCA IX, hCA II, hCA XII and hCA I, respectively<sup>[1]</sup>.

### REFERENCES

[1]. Swain B, et, al. Exploration of 2-phenylquinoline-4-carboxamide linked benzene sulfonamide derivatives as isoform selective inhibitors of transmembrane human carbonic anhydrases. *Eur J Med Chem.* 2022 Apr 15;234:114247.

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

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