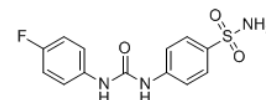


**Product Name** : SLC-0111  
**Cat. No.** : PC-70028  
**CAS No.** : 178606-66-1  
**Molecular Formula** : C<sub>13</sub>H<sub>12</sub>FN<sub>3</sub>O<sub>3</sub>S  
**Molecular Weight** : 309.315  
**Target** : Carbonic Anhydrase  
**Solubility** :



## Biological Activity

SLC-0111 is a sulfonamide **carbonic anhydrase** (CA, EC 4.2.1.1) inhibitor with IC<sub>50</sub> of 45 nM and 4.5 nM for tumor-associated enzymes hCA IX and hCA XII; showed selective CA IX/XII inhibitory profiles, displays >20-fold and >100-fold selectivity over hCA II and hCA I, respectively; reduces tumor cell growth and increases apoptotic cell death in prostate cancer cells.

Pancreatic Cancer

Phase 1

## References

Pacchiano F, et al. *J Med Chem.* 2011 Mar 24;54(6):1896-902.

Congiu C, et al. *Bioorg Med Chem Lett.* 2015 Sep 15;25(18):3850-3.

Riemann A, et al. *Oncol Res.* 2017 Jun 19. doi: 10.3727/096504017X14965111926391.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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