

Product Name	: SLC-0111
Synonyms	: SLC 0111;SLC0111
Cat No.	: M12691
CAS Number	: 178606-66-1
Molecular Formula	: C ₁₃ H ₁₂ FN ₃ O ₃ S
Formula Weight	: 309.32
Chemical Name	: 4-(3-(4-fluorophenyl)ureido)benzenesulfonamide
Description	: SLC-0111 is a sulfonamide carbonic anhydrase (CA, EC 4.2.1.1) inhibitor with IC ₅₀ of 45 nM and 4.5 nM for tumor-associated enzymes hCA IX and hCA XI; showed selective CA IX/XI 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
Pathway	: Membrane Transporter/Ion Channel
Target	: Carbonic Anhydrase
Receptor	: Carbonicanhydrasel; CarbonicanhydraselI; CarbonicanhydraselX; CAXII
Solubility	: DMSO: 30.9 mg/mL (100 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>FC1=CC=C(C=C1)NC(=O)NC2=CC=C(C=C2)S(=O)(=O)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Pacchiano F, et al. J Med Chem. 2011 Mar 24;54(6):1896-902. | 2. Congiu C, et al. Bioorg Med Chem Lett. 2015 Sep 15;25(18):3850-3. | 3. Riemann A, et al. Oncol Res. 2017 Jun 19. doi: 10.3727/096504017X14965111926391.