

Product Name	: hCAI/II-IN-6
Synonyms	: —
Cat No.	: M35588
CAS Number	: 694466-00-7
Molecular Formula	: C ₁₉ H ₂₄ N ₄ O ₃ S
Formula Weight	: 388.48
Chemical Name	: —
Description	: hCAI/II-IN-6 is an orally active human carbonic anhydrase (CA) inhibitor. hCAI/II-IN-6 selectively inhibits hCA II and hCA VII isoforms with Ki values of 220, 4.9, 6.5 and >50000 nM for hCA I, hCA II, hCA VII and hCA XII respectively. hCAI/II-IN-6 shows anticonvulsant activity and anti maximal electroshock (MES) activity in vivo. hCAI/II-IN-6 can be used for the research of epilepsy.
Pathway	: Membrane Transporter/Ion Channel
Target	: Carbonic Anhydrase
Receptor	: Carbonic Anhydrase
Solubility	: In Vitro: ?DMSO : 250 mg/mL (643.53 mM; Ultrasonic)
SMILES	: <chem>NS(=O)(=O)c1ccc(NC(=O)CN2CCN(Cc3ccccc3)CC2)cc1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Mishra CB, et al. Discovery of Benzenesulfonamides with Potent Human Carbonic Anhydrase Inhibitory and Effective Anticonvulsant Action: Design, Synthesis, and Pharmacological Assessment. J Med Chem. 2017 Mar 23;60(6):2456-2469.?