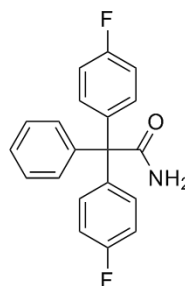


Product Name	: Senicapoc
Synonyms	: ICA-17043
Cat No.	: M13889
CAS Number	: 289656-45-7
Molecular Formula	: C ₂₀ H ₁₅ F ₂ NO
Formula Weight	: 323.34
Chemical Name	: Benzeneacetamide, 4-fluoro-.alpha.-(4-fluorophenyl)-.alpha.-phenyl-
Description	: A potent, selective Gardos channel blocker that blocks Ca(2+)-induced rubidium flux from human RBCs (IC ₅₀ =11 nM) and inhibits RBC dehydration (IC ₅₀ =10-50 nM); shows greater potency and selectivity than Clotrimazole; increases RBC K(+) content and hematocrit (Hct), decreases corpuscular hemoglobin concentration (MCHC) in a transgenic mouse model of sickle cell disease (SAD); orally active. Other Indication Phase 3 Discontinued
Pathway	: Cell Cycle/DNA Damage
Target	: Potassium Channel
Receptor	: Gardoschannel
Solubility	: 10 mM in DMSO
SMILES	: C1=CC=C(C=C1)C(C2=CC=C(C=C2)F)(C3=CC=C(C=C3)F)C(=O)N
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Stocker JW, et al. Blood. 2003 Mar 15;101(6):2412-8. | 2. Ataga KI, et al. Blood. 2008 Apr 15;111(8):3991-7. | 3. Minniti CP, et al. Br J Haematol. 2011 Dec;155(5):634-6.