
Sardomozide HCl

产品编号: D51514

CAS: 138794-73-7

分子式: C₁₁H₁₆Cl₂N₆

纯度: ≥98%

InChi: InChi=1S/C11H14N6.2ClH/c12-10(13)8-3-1-2-7-6(8)4-5-9(7)16-17-11(14)15;;/h1-3H,4-5H2,(H3,12,13)(H4,14,15,17);2*1H/b16-9+;;

InChi Key: UHEIPGJSFDAPIC-NENXIMLWSA-N

Smiles: Cl.Cl.[H]/N=C(\N)/NN=C1CCC2C1=CC=CC=2C(N)=N

外观: 固体粉末

作用通路: Others

溶解性: Soluble in water

保存条件: Store in dry, dark place for one year.

产品介绍: Sardomozide HCl, also known as SAM486A or CGP48664, is a second-generation polyamine synthesis inhibitor, which inhibits the activity of the polyamine biosynthetic enzyme S-adenosylmethionine decarboxylase (SAMDC). SAM486 is more potent and specific than the first-generation SAMDC inhibitor methylglyoxal (bis) guanyldiazide (MGBG). Preclinical testing confirmed promising antiproliferative activity. The in vitro tests showed that p53 wild-type NB cells were highly sensitive to SAM486A treatment. Most notably, SAM486A treatment resulted in the rapid accumulation of proapoptotic proteins p53 and Mdm2.