
(Z)-4-Hydroxytamoxifen

产品编号: D50979

CAS: 68047-06-3

分子式: C₂₆H₂₉NO₂

纯度: ≥98%

InChi: InChi=1S/C₂₆H₂₉NO₂/c1-4-25(20-8-6-5-7-9-20)26(21-10-14-23(28)15-11-21)22-12-16-24(17-13-22)29-19-18-27(2)3/h5-17,28H,4,18-19H2,1-3H3/b26-25-

InChi Key: TXUZVZSFRXZGTL-QPLCGJKRSA-N

Smiles: CC/C(=C\C1C=CC(O)=CC=1)/C1C=CC(=CC=1)OCCN(C)C/C1C=CC=CC=1

外观: 固体粉末

作用通路: Estrogen Receptor/ERR

溶解性: DMSO up to 100 mM; EtOH up to 50 mM

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

产品介绍: (Z)-4-Hydroxytamoxifen (also called 4-OH-TAM) was previously characterized as an Estrogen Receptor antagonist and now found to improve genome-editing specificity in CRISPR-mediated gene editing. It can activate intein-linked inactive Cas9, reducing off-target. Such system has ~25-fold higher specificity than wtCas9. (Z)-4-Hydroxytamoxifen is a Tamoxifen metabolite to be used as chemotherapeutic agent. It exhibits greater potency than Tamoxifen.