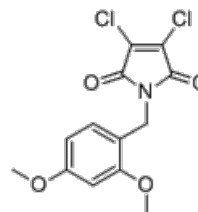


Product Name : IRES-C11
Synonyms : IRES inhibitor C11
Cat No. : M14164
CAS Number : 342416-30-2
Molecular Formula : C₁₃H₁₁Cl₂NO₄
Formula Weight : 316.13
Chemical Name : 3,4-dichloro-1-(2,4-dimethoxybenzyl)-1H-pyrrole-2,5-dione



Description : A novel, specific c-Myc IRES (internal ribosome entry site) function inhibitor that prevents binding of hnRNP A1 to the Myc IRES and specifically inhibits Myc IRES activity in MM cells; shows no effect on BAG-1, XIAP and p53 IRESes, and has no significant effect on myc translation; significantly inhibits myc expression when combined with ER stress inducers, especially bortezomib; shows synergistic anti-MM cytotoxicity combined with ER stress inducers; also blocks cyclin D1 IRES-dependent initiation and demonstrates synergistic anti-GBM properties combined with PP242.

Pathway : Cell Cycle/DNA Damage

Target : c-Myc

Receptor : c-Myc

Solubility : —

SMILES : COC1=CC(=C(C=C1)CN2C(=O)C(=C(C2=O)Cl)Cl)OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shi Y, et al. Oncogene. 2016 Feb 25;35(8):1015-24. | 2. Holmes B, et al. J Biol Chem. 2016 Jul 1;291(27):14146-59.