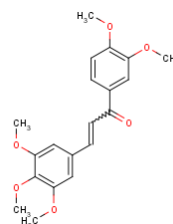


Product Name	: MD2-IN-1
Synonyms	: MD2-IN-1; MDK7229; MDK 7229; MDK 7229.
Cat No.	: M17145
CAS Number	: 111797-22-9
Molecular Formula	: C ₂₀ H ₂₂ O ₆
Formula Weight	: 358.39
Chemical Name	: (E)-1-(3,4-dimethoxyphenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one



Description	: MDK7229, also known as MD2-IN-1 is a MD2 (Myeloid differentiation protein 2) inhibitor. MDK7229 has CAS#111797-22-9. For easy communication, we use its last 4 digit of CAS for name. MDK7229 locked the LPS-induced activation of TLR4/MD2 -downstream pro-inflammatory MAPKs/NF-κB signaling pathways. In a rat model with ALI induced by intracheal LPS instillation, administration MDK7229 exhibited significant protective effect against ALI, accompanied by the inhibition of TLR4/MD2 complex formation in lung tissues.
Pathway	: Others
Target	: Other Targets
Receptor	: Myeloid differentiation protein 2(MD2)
Solubility	: DMSO : 50 mg/mL 139.51 mM; H ₂ O : < 0.1 mg/mL
SMILES	: COc1ccc(cc1OC)C(=O)C=Cc1cc(OC)c(OC)c(OC)c1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhang Y, et al. Discovery of new MD2 inhibitor from chalcone derivatives with anti-inflammatory effects in LPS-induced acute lung injury. Sci Rep. 2016 Apr 27;6:25130.