

Product Name	: Ligustilide A
Synonyms	: cis-Ligustilide
Cat No.	: M24810
CAS Number	: 81944-09-4
Molecular Formula	: C ₁₂ H ₁₄ O ₂
Formula Weight	: 190.2
Chemical Name	: —
Description	: Ligustilide A, an active ingredient isolated from the medicinal plants <i>Angelica acutiloba</i> and <i>Cnidium officinale</i> , inhibits benzo(a)pyrene-induced CYP1A1 upregulation in cultured human keratinocytes via ROS-dependent Nrf2 activation.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: bacterial
Solubility	: DMSO: 100 mg/mL (525.65 mM; Need ultrasonic)
SMILES	: <chem>CCC/C=C1/C2=C(C=CCC2)C(=O)O1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wu Z, Uchi H, Morino-Koga S, Nakamura-Satomura A, Kita K, Shi W, Furue M. Z-Ligustilide inhibits benzo(a)pyrene-induced CYP1A1 upregulation in cultured human keratinocytes via ROS-dependent Nrf2 activation. *Exp Dermatol*. 2014 Apr;23(4):260-5. doi: 10.1111/exd.12360. PubMed PMID: 24588654.