

Product Name	: Rhapontigenin
Synonyms	: —
Cat No.	: M18663
CAS Number	: 500-65-2
Molecular Formula	: C ₁₅ H ₁₄ O ₄
Formula Weight	: 258.3
Chemical Name	: —
Description	Rhapontigenin is a mechanism-based, selective inactivator of cytochrome P450 1A1 (IC ₅₀ : 400 nM), an aryl hydrocarbon hydroxylase which activates polycyclic aromatic hydrocarbons that act as procarcinogens. Rhapontigenin is a natural analog of resveratrol with antioxidant and anti-cancer activity. At higher concentrations, rhapontigenin inhibits the proliferation of HL-60R and HepG2 cancer cell lines (IC ₅₀ : 48 μM).
Pathway	: Endocrinology/Hormones
Target	: AChR
Receptor	: CYP1A1
Solubility	: —
SMILES	: <chem>COc1c(cc(cc1)/C=C/c1cc(cc(c1)O)O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Jo SP1, Kim JK2, Lim YH1.Antihyperlipidemic effects of rhapontin and rhapontigenin from rheum undulatum in rats fed a high-cholesterol diet.Planta Med. 2014 Aug;80(13):1067-71.