Product Name	:	Pinoresinol
Synonyms	:	(+)-Pinoresinol
Cat No.	:	M24442
CAS Number	:	487-36-5
Molecular Formula	:	C20H22O6
Formula Weight	:	358.4
Chemical Name	:	——
Description	:	Pinoresinol has antiinflammatory, hepatoprotective, and fungicidal activities, it can protect pial microcirculation from l-reperfusion injury, to increase nitric oxide release and to reduce oxidative stress preserving pial blood flow distribution; it may exert pharmacologically interesting effects via modulation of the insulin-like signalling pathway in C.elegans. Pinoresinol causes an upregulation of the CDK inhibitor p21(WAF1/Cip1) both at mRNA and protein levels, inhibits NF-kappaB and activating protein 1 (AP-1).
Pathway	:	Angiogenesis
Target	:	CDK
Receptor	:	CDK;NF-κB;p53
Solubility	:	——
SMILES	:	COc(cc([C@H]1OC[C@@H]2[C@@H](c(cc3)cc(OC)c3O)OC[C@H]12)cc1)c1O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.Among plant lignans, pinoresinol has the strongest antiinflammatory properties in human intestinal Caco-2 cells.J Nutr. 2012 Oct;142(10):1798-805.