

Product Name	: Isofraxidin
Synonyms	: Isofraxidin; Phytodolor
Cat No.	: M18627
CAS Number	: 486-21-5
Molecular Formula	: C ₁₁ H ₁₀ O ₅
Formula Weight	: 222.19
Chemical Name	: 7-Hydroxy-6,8-dimethoxychromen-2-one
Description	<p>Isofraxidin protects leukemia cells from radiation-induced apoptosis via ROS/mitochondria pathway in a p53-independent manner. Isofraxidin has a protective effect against LPS-induced ALI, and the protective effect of Isofraxidin seems to result from the inhibition of COX-2 protein expression in the lung, which regulates the production of PGE₂. Isofraxidin possesses significant analgesic and anti-inflammatory activities that may be mediated through the regulation of pro-inflammatory cytokines, TNF-α and the phosphorylation of p38 and ERK1/2.</p>
Pathway	: Others
Target	: Other Targets
Receptor	: p38;ERK
Solubility	: —
SMILES	: <chem>COC1=C(C(=C2C(=C1)C=CC(=O)O2)OC)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	: