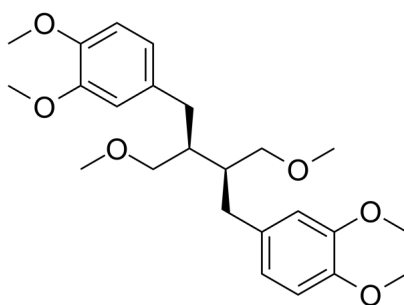


## Data Sheet

### Product Information

Catalog Number	BP17741
Product Name	Phyllanthin
Description	Phyllanthin is widely used as hepatoprotective and antigenotoxic and inhibit function of P-gp.
In vitro	The activity of P-gp and MRP2 was determined in the uptake assays by monitoring the intracellular accumulation of their specific substrates (calcein acetoxymethyl ester and 5(6)-carboxy-2',7'-dichlorofluorescein diacetate, respectively) with fluorescence spectroscopy. HypoPhyllanthin and Phyllanthin inhibited P-gp function with comparable potencies, but neither compound affected MRP2 activity. When the lignans were washed out before addition of substrate, the inhibitory action of both compounds against P-gp function was lost. These results suggested the reversibility of the inhibition. Moreover, prolonged exposure of the Caco-2 cells to both lignans (up to 7 days) had no effect on P-gp function
CAS No.	10351-88-9
Chemical Formula	C <sub>24</sub> H <sub>34</sub> O <sub>6</sub>
Molecular Weight	418.53
Solubility	DMSO: 55 mg/ml (131.42 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure  
OR  
Tested Image



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