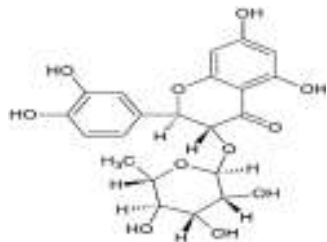


Astilbin

ALTERNATE NAME: (2R,3R)-3-[(6-deoxy- α -L-mannopyranosyl)oxy]-2-(3,4-dihydroxyphenyl)-2,3-dihydro-5,7-dihydroxy-4H-1-benzopyran-4-one
Taxifolin 3-O-rhamnoside

CATALOG #: B2616-5 5 mg
B2616-25 25 mg



MOLECULAR FORMULA: $C_{21}H_{22}O_{11}$

MOLECULAR WEIGHT: 450.39

CAS NUMBER: 29838-67-3

APPEARANCE: White to off-white solid

PURITY: $\geq 98\%$

SOLUBILITY: ~ 10 mg/ml DMSO

DESCRIPTION: Astilbin is a flavonoid that displays anticancer, antioxidative, anti-inflammatory, and immunosuppressive activities. It inhibits cisplatin-induced increases in apoptosis and accumulation of reactive oxygen species (ROS) in HEK293 cells when used at a concentration of 200 μ M. It increases renal glutathione (GSH) levels and superoxide dismutase (SOD) and catalase activity and reduces serum creatinine and blood urea nitrogen (BUN) levels, renal IL-1 β , IL-6, and TNF- α levels, apoptosis in kidney tissue, and kidney injury in a mouse model of cisplatin-induced nephrotoxicity.

STORAGE TEMPERATURE: -20°C . Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Astaxanthin (9698)
Chrysin (B2608)
(-)-Epigallocatechin gallate (1841)
Apigenin (2508)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*