



## Esculin anhydrous

Anti-inflammatory and antioxidant agent

Esculin is an anti-inflammatory agent used in experimental models. It is known as a natural product extracted from *Aesculus hippocastanum* plant.

Antioxidant properties of esculin is due to its ability of reducing oxidative stress caused by free radicals.

Human and animal renin activity is inhibited by esculin, that suppressing kidney fibrosis. It is proven that, in model systems of chronic kidney disease, esculin can preventing progression of renal disease better than indomethacin.

It is useful to note that esculin as a coumarin derivative used as a chromatographic stationary phase in separation and identification of chemical compounds.

Cat. Number	ASC-1001
CAS Number	531-75-9
Additional CAS	66778-17-4
MDL Number	MFCD00149492
PubChems	310272655
Molecular Weight	340.28 g/mol
Molecular Formula	C <sub>15</sub> H <sub>16</sub> O <sub>9</sub>
Storage Temperature	20°C
Form and Color	Powder to crystalline powder, white to off-white
Purity (HPLC)	≥ 98%
Heavy metals (such as pb)	≤ 20ppm
FT-IR Spectrum	Corresponds to reference spectrum
Synonym	6,7-Dihydroxycoumarin 6-glucoside; Aesculin; Esculetin-6-β-D-glucopyranoside