

Genipin is an aglycone derived from an iridoid glycoside called geniposide present in fruit of Gardenia jasmindides Ellis.

Genipin is an excellent natural cross-linker for proteins, collagen, gelatin, and chitosan cross-linking.

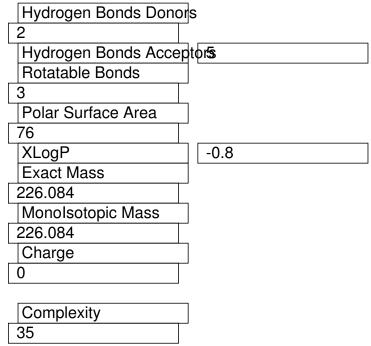
It has a low acute toxicity, with LD50 i.v. 382 mg/kg in mice, therefore, much less toxic than glutaraldehyde and many other commonly used synthetic cross-linking regents. It is also used for pharmaceutical purposes, such as choleretic action for liver diseases control.

Genipin is available for small and large scale production.



## Order online

Product ID				
	ST080860	]		
IUPAC name	Methyl (	1R,2R,6S	)-2-hydroxy-9	9-(hydroxymeth
Identifiers				
CAS number	[6902-77-8]			
PubChem	442424			
SMILES	COC(=O)C1=CO[C@	<u>@Н</u> ]([С@Н]2[С@@Н	I]1CC=C2CO)O	
Properties				
Molecular formula	С	11	Н	14
Molar mass	226.226 g/mol			



## **Genipin Specification**

□ Specification □ Results

Appearance: white crystal powder

Purity: 98% up by HPLC method98.2%

Solubilities: soluble in Ethanol, Methanol, Acetone, slightly soluble in

water

Total plate count: below 1000 CFU/g
E. coli: Negative Negative Salmonella: Negative Negative

Storage: Room temperature

Notice: It can be dissolved in Ethanol first, then diluted to suitable concentration with buffer solution.