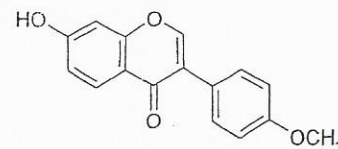




**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Building 30  
Hillsborough, NJ 08844 USA  
Phone: (908) 359-6778; Fax: (908) 359-1179



**HPLC**

**Batch: 05**

**FORMONONETIN**

**021248S**

**IDENTIFICATION**

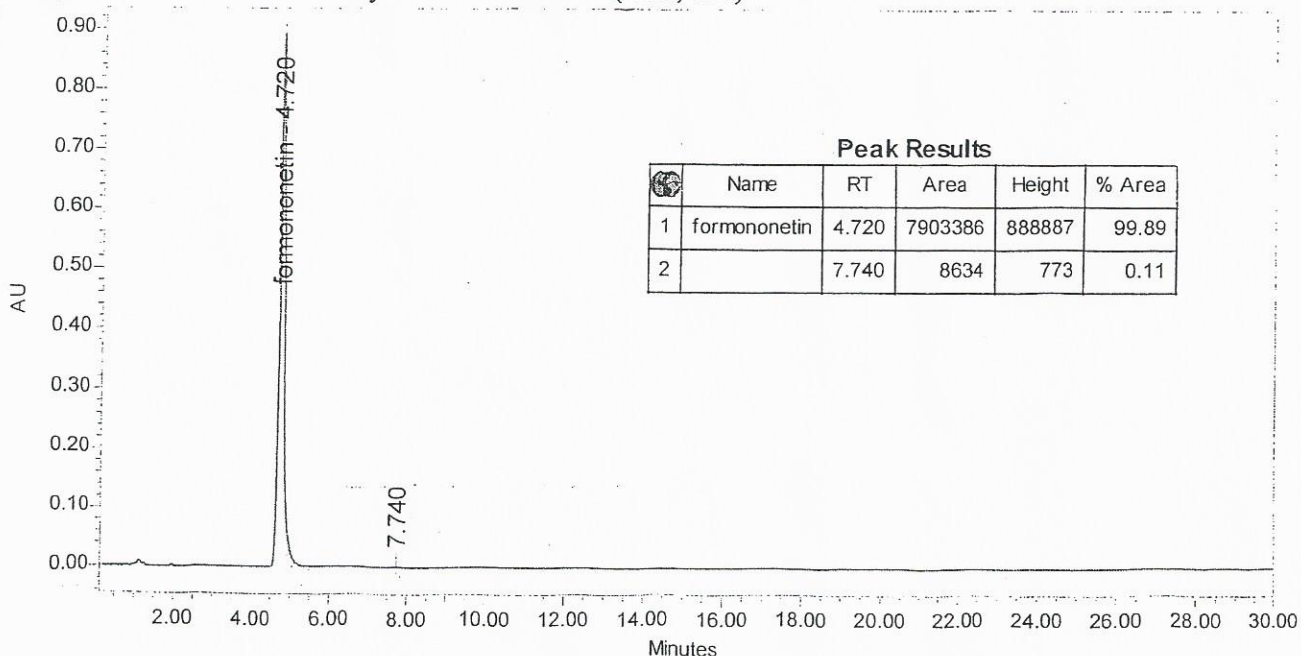
CAS number	[485-72-3]
Chemical family	Flavonoids
Chemical name	7-Hydroxy-4'-methoxyisoflavone
Molecular formula	C <sub>16</sub> H <sub>12</sub> O <sub>4</sub>
Molecular weight	268.26

**CERTIFICATE OF ANALYSIS**

Appearance	Slightly grey powder	
Melting point	258-260°C	
Thin layer chromatography	support	Silicagel
	solvent	Toluene/ethyl formate/formic acid (5/4/1, V/V/V)
	detection	U.V.
Absorption maxima	249, 302 nm in methanol + 0.5% dimethylsulfoxide	
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use	

**HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 µm
Solvent	Water / Acetonitrile (64/36, V/V)
Flow rate	1 ml/min
Detector	UV visible 254 nm
Sample solvent	Dimethylsulfoxide / methanol (2/18, V/V)



**Peak Results**

	Name	RT	Area	Height	% Area
1	formononetin	4.720	7903386	888887	99.89
2		7.740	8634	773	0.11

*The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.*