# Hymecromone purity

Hymecromone is a drug used as a choleretic and antispasmodic medicine to treat bile.



**APPLICATION LIST #386** 

SubstanceHymecromone, CAS Number 90-33-5Synonymβ-Methylumbelliferone, 4-MU, Coumarin 4Formula7-Hydroxy-4-methyl-2H-chromen-2-one

### System suitability test:

Reference	Resolution required	<b>Resolution EP</b>
standard	Resolution of Hymecromon and Impurity	6.5
	B be must be ≥ 3.0	
	Resolution of Impurity A and Impurity B	5.5
	be must be ≥ 2.0	

### **Chromatography method:**

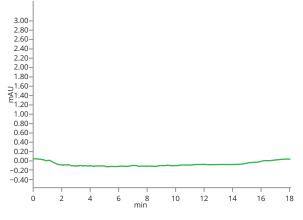
Column	ARION <sup>®</sup> Plus C18, 10 μm	
Dimensions	250 mm × 4.0 mm	
Part number	ARI-5720-PM46	
Mobile phase	Methanol : Phosphate buffer, pH 7.0 (46.5 : 53.5 V/V)	
	Isocratic	
Flow rate	1 ml/min	
Temperature	30 °C	
Injection volume	20 µl	
Detection	UV @270 nm	
Analytes	1. Hymecromone	
	2. Impurity A	
	3. Impurity B	

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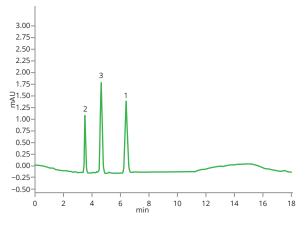
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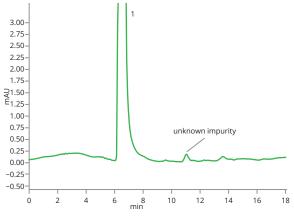
## Hymecromone purity



Blank on ARION® HPLC column



Reference standard on ARION® HPLC column



Sample on ARION<sup>®</sup> HPLC column

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