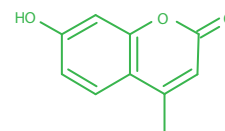


Hymecromone purity

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



Hymecromone

Substance	Hymecromone, CAS Number 90-33-5
Synonym	β -Methylumbelliferone, 4-MU, Coumarin 4
Formula	7-Hydroxy-4-methyl-2H-chromen-2-one

System suitability test:

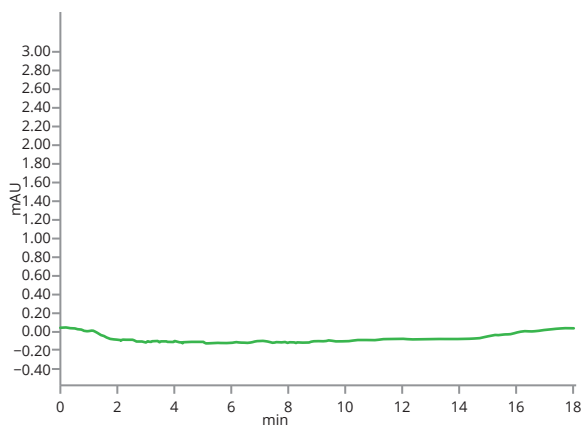
Reference standard	Resolution required	Resolution EP
	Resolution of Hymecromone and Impurity B must be ≥ 3.0	6.5
	Resolution of Impurity A and Impurity B must be ≥ 2.0	5.5

Chromatography method:

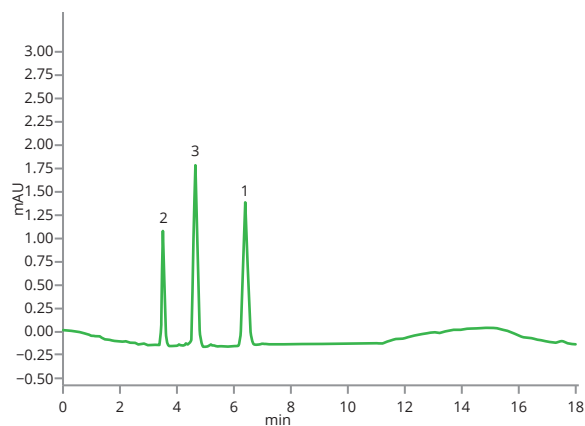
Column	ARION® Plus C18, 10 μ m
Dimensions	250 mm \times 4.0 mm
Part number	ARI-5720-PM46
Mobile phase	Methanol : Phosphate buffer, pH 7.0 (46.5 : 53.5 V/V) Isocratic
Flow rate	1 ml/min
Temperature	30 °C
Injection volume	20 μ l
Detection	UV @270 nm
Analytes	1. Hymecromone 2. Impurity A 3. Impurity B



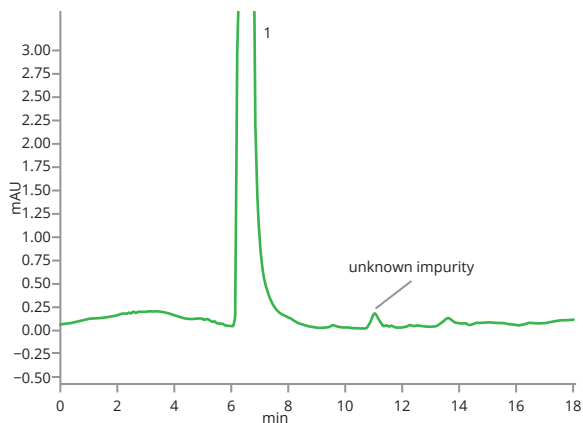
Hymecromone purity



Blank on ARION® HPLC column



Reference standard on ARION® HPLC column



Sample on ARION® HPLC column