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Specification

15.12.2009

Code No. 17120

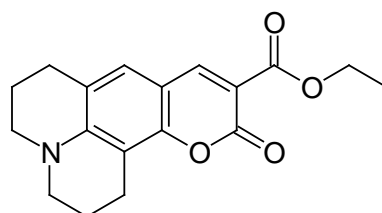
Coumarin 314

CAS No. 55804-66-5

EEC No. 259-825-1

Chemical Name **Ethyl 6,7,9,10-tetrahydro-8H,11H-quinolizino[9,9a,1-g]coumarin-3-carboxylate; Coumarin 504**

Structure



Molecular Formula $C_{18}H_{19}NO_4$

Molecular Weight 313,35

Product Properties

Appearance	Yellow crystalline powder
Assay ($\Delta\%$)	$\geq 99,0$ (HPLC)
Melting point ($^{\circ}C$)	148 - 152 (DSC)
Loss on drying (%)	$\leq 0,5$ (100 $^{\circ}C$)
Absorption max (nm)	437 ± 2 (EtOH)
Extinction	$1,50 \pm 0,05$ (0,01g/l; 1,0cm)
Metals (ppm)	
Sodium	≤ 10
Potassium	≤ 10
Iron	≤ 10

Storage Cool, dry, dark, tightly closed

Application Laser and scintillation dye

Changes in comparison to previous issue do not relate to contents.