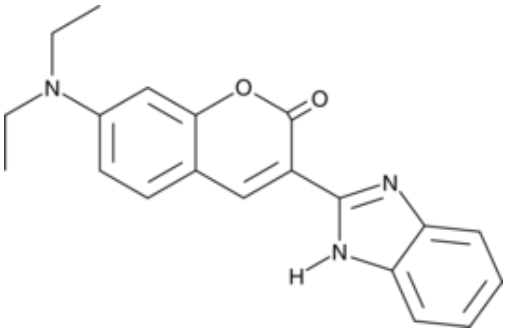
Product Data Sheet

Product Name: Coumarin 7
Cat. No.: GC52036

Chemical Properties

Cas. No.	27425-55-4		
SMILES	O=C1OC2=C(C=C1C3=NC4=C(N3[H])C=CC=C4)C=CC(N(CC)CC)=C2		
Formula	C20H19N3O2	M.Wt	333.4
Solubility	DMF: 1 mg/ml,DMSO: 1 mg/ml,Ethanol: insol,PBS (pH 7.2): insol	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Coumarin 7 is a coumarin laser dye.[1,2]

1.Mishra, V.R., and Sekar, N.Photostability of coumarin laser dyes - a mechanistic study using global and local reactivity descriptorsJ. Fluoresc.27(3)1101-1108(2017) 2.Yenagi, J.V., Gorbal, M.R., Savildatti, M.I., et al.Study of photophysical parameters and measurement of laser characteristics of coumarin 7 and acriflavineSpectrosc. Lett.25(1)63-72(1992)

Caution: Product has not been fully validated for medical applications. For research use only.
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