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COUMARIN 535

Synonym: 3-(1H-benzimidazol-2-yl)-7-(diethylamino)-2H-1-benzopyran-2-one; Coumarin 7

Catalog No.: 05350

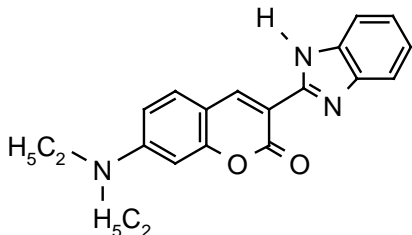
CAS No.: 27425-55-4

MW: 333.39

Chemical Formula: C₂₀H₁₉N₃O₂

Appearance: Yellow-orange crystals

Structure:



Lasing Wavelength Max. (nm)	Range (nm)	Pump Source (nm)	Solvent	Concentration (molar)	Abs λ -max	FI λ -max
525	500-575	Ar(cw,477) ¹³	20%aq.DPA+LO,COT	4×10^{-4}	436 ^e	490 ^e
535	500-565	Ar(477) ¹⁷	EG	5×10^{-3}		
535	505-565	Kr(400-420) ¹⁷	EG			

DPA=N, N-dipropylacetamide, LO=Ammonyx LO, COT=cyclooctatetraene, EG=ethylene glycol, e=ethanol

REFERENCES:

13. CW Laser Emission from Coumarin Dyes in the Blue and Green, S.A. Tuccio, K.H. Drexhage and G.A. Reynolds, *Optics Commun.*, 7(3), 248 (1973)
17. Spectra-Physics, 1250 W. Middlefield Road, Mountain View, CA 94039

For a current list of biology, biological stain, or biochemistry references for Coumarin 535 from PubMed, click on the following link:

[Coumarin 535 or Coumarin 7](#)