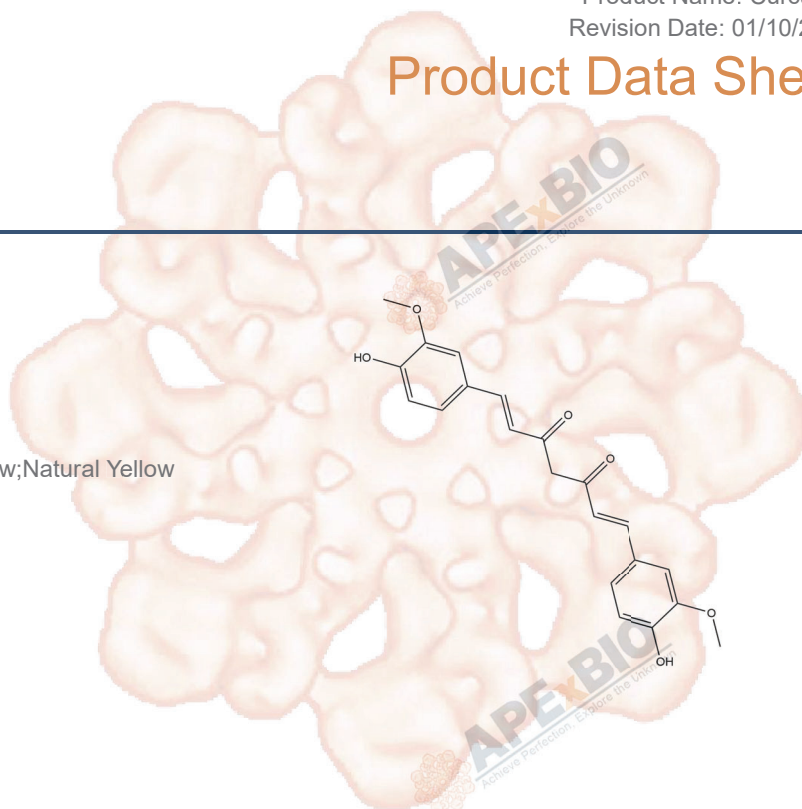


Product Data Sheet

Curcumin

Cat. No.:	A3335
CAS No.:	458-37-7
Formula:	C ₂₁ H ₂₀ O ₆
M.Wt:	368.39
Synonyms:	Indian Saffron;Turmeric yellow;Natural Yellow 3;Diferuloylmethane
Target:	Immunology/Inflammation
Pathway:	KEAP1-Nrf2
Storage:	Store at -20° C



Solvent & Solubility

≥36.8 mg/mL in DMSO; insoluble in H₂O; ≥3.5 mg/mL in EtOH with gentle warming and ultrasonic

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		1 mM	2.7146 mL	13.5729 mL	27.1459 mL
		5 mM	0.5429 mL	2.7146 mL	5.4292 mL
		10 mM	0.2715 mL	1.3573 mL	2.7146 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary	Tyrosinase inhibitor	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Preparation method:	
In Vivo	Animal experiment	
	Applications:	

Product Citations

1. "Byrd SK. "Apoptosis as the focus of an authentic research experience in a cellphysiology laboratory. Adv Physiol Educ." 2016 Jun;40(2):257-64."PMID:27231261

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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