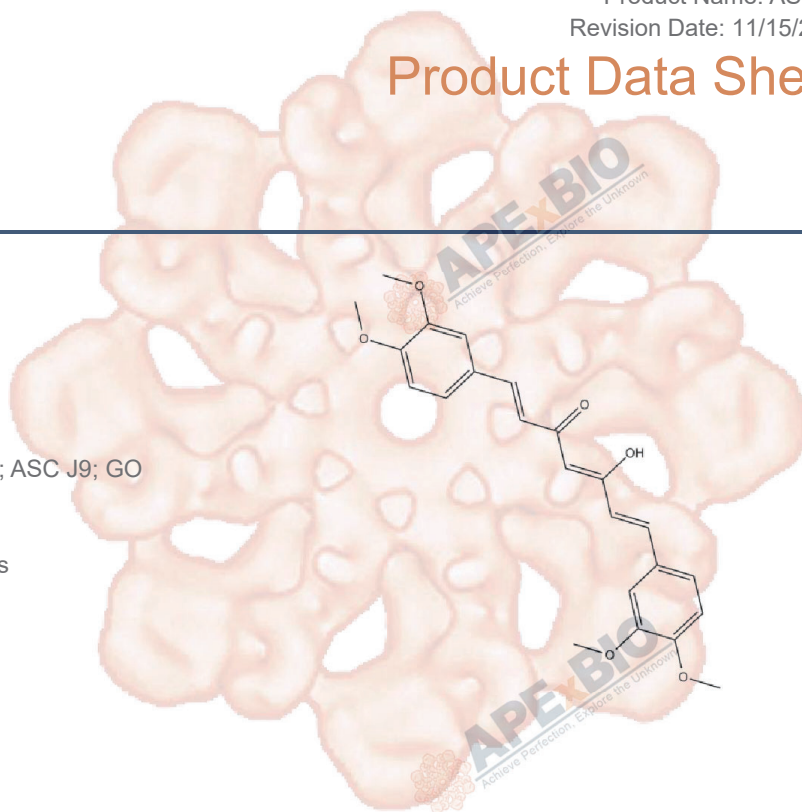


Product Data Sheet

ASC-J9

Cat. No.:	A3190
CAS No.:	52328-98-0
Formula:	C23H24O6
M.Wt:	396.43
Synonyms:	GO-Y025; Dimethylcurcumin; ASC J9; GO Y025
Target:	Endocrinology and Hormones
Pathway:	Androgen Receptor
Storage:	Store at -20°C



Solvent & Solubility

insoluble in EtOH; insoluble in H₂O; ≥16.65 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		2.5225 mL	12.6126 mL	25.2251 mL
	5 mM		0.5045 mL	2.5225 mL	5.0450 mL
	10 mM		0.2523 mL	1.2613 mL	2.5225 mL

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

Biological Activity

Shortsummary

AR degradation enhancer, antitumor agent

IC₅₀ & Target

5.9 μM (PC-3 cell proliferation), 3.9 μM (LNCaP cell proliferation)

In Vitro

Cell Viability Assay

Cell Line: Human C4-2B/human THP1 cells and mouse TRAMP-C1/mouse RAW264.7 cells.

Preparation method: Soluble in DMSO. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

	Reacting conditions:	5 μ M; 3 days.
	Applications:	ASC-J9 suppresses macrophage recruitment and suppresses PCa invasion.
In Vivo	Animal experiment	
	Animal models:	Male 6- to 8-week-old nude mice with orthotopically xenografted 106 TRAMP-C1 cells.
	Dosage form:	75 mg/kg; i.p. injected three times per week for 3 weeks.
	Applications:	In mice, ASC-J9 significantly decreases developing distant metastatic tumors in diaphragm and lymph nodes. There are little change in mice body weight among all the mice treated.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Lin TH, Izumi K, Lee SO, et al. Anti-androgen receptor ASC-J9 versus anti-androgens MDV3100 (Enzalutamide) or Casodex (Bicalutamide) leads to opposite effects on prostate cancer metastasis via differential modulation of macrophage infiltration and STAT3-CCL2 signaling. *Cell Death Dis*, 2013, 4: e764.

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 APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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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