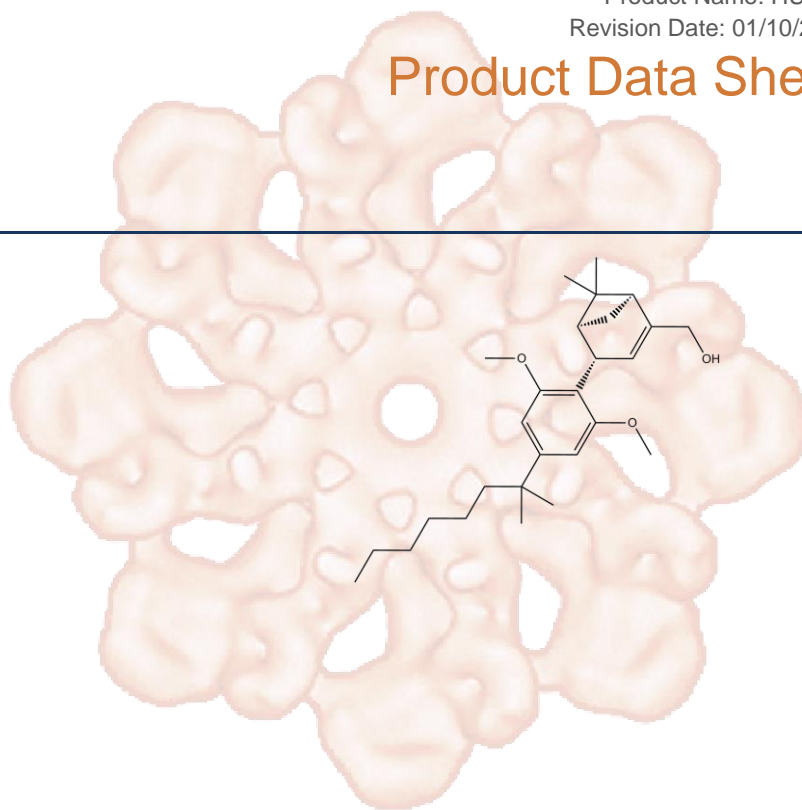


# Product Data Sheet

## HU 308

<b>Cat. No.:</b>	B5372
<b>CAS No.:</b>	256934-39-1
<b>Formula:</b>	C <sub>27</sub> H <sub>42</sub> O <sub>3</sub>
<b>M.Wt:</b>	414.62
<b>Synonyms:</b>	
<b>Target:</b>	GPCR/G protein
<b>Pathway:</b>	Cannabinoid Receptor
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

Soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	2.4118 mL	12.0592 mL	24.1185 mL
	5 mM	0.4824 mL	2.4118 mL	4.8237 mL
	10 mM	0.2412 mL	1.2059 mL	2.4118 mL

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

## Biological Activity

Shortsummary

CB2-receptor agonist

 IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Cell Line:	Human liver sinusoidal endothelial cells (HLSECs); human coronary artery endothelial cells (HCAECs)
Preparation method:	The solubility of this compound in DMSO is >10 mM. 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:	HLSECs: 0–4 μM for 4 h; HCAECs: 3 μM for 4 h

	Applications:	In HCSECs or HLSECs, HU-308 treatment reduced the expression of both ICAM-1 and VCAM-1, which was induced by TNF $\alpha$ . HU-308 attenuated TNF $\alpha$ treatment induced RhoA activation (4.0-fold vs. control) and NF-B Activation. HU-308 inhibited TNF $\alpha$ -induced monocyte adhesion in aortas.
In Vivo	<b>Animal experiment</b>	
	Animal models:	C57Bl/6J mice
	Dosage form:	HU-308 (10 mg/kg) was injected into the femoral vein right before the reocclusion.
	Applications:	Pretreatment of mice with HU-308 decreases the I/R-induced tissue damage, inflammatory cell infiltration, tissue and serum TNF- $\alpha$ , MIP-1, and MIP-2 levels, tissue lipid peroxidation and apoptosis.
	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](http://www.apexbt.com).

## References

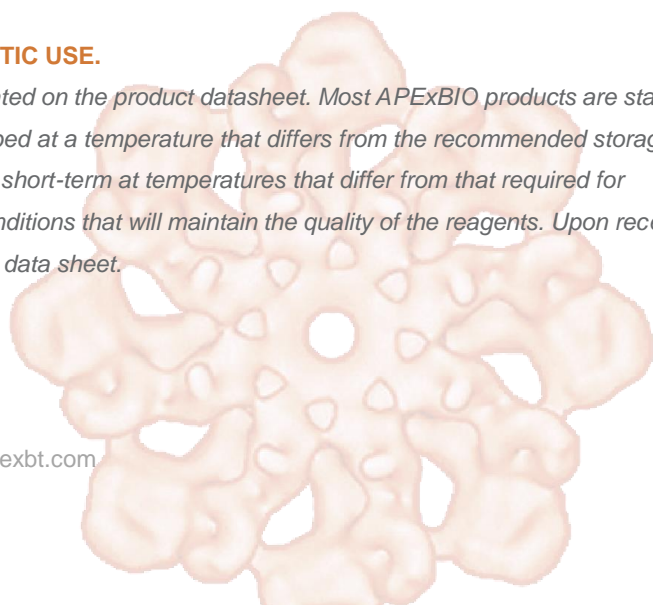
- [1]. Rajesh M, Mukhopadhyay P, Batkai S, et al. CB2-receptor stimulation attenuates TNF-alpha-induced human endothelial cell activation, transendothelial migration of monocytes, and monocyte-endothelial adhesion. Am J Physiol Heart Circ Physiol. 2007 Oct;293(4):H2210-8.
- [2]. Rajesh M, Pan H, Mukhopadhyay P, et al. Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis. J Leukoc Biol. 2007 Dec;82(6):1382-9.

## 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. 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.



**APExBIO Technology**

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