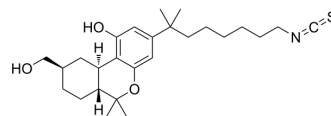


## AM841

Cat. No.:	HY-149933
CAS No.:	871978-21-1
Molecular Formula:	C <sub>26</sub> H <sub>39</sub> NO <sub>3</sub> S
Molecular Weight:	445.66
Target:	Cannabinoid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

AM841 is a high-affinity electrophilic ligand. AM841 interacts covalently with a cysteine in helix six and activates the CB1 cannabinoid receptor. AM841 reduces Forskolin (HY-15371)-stimulated cAMP accumulation. AM841 also slows gastrointestinal motility<sup>[1][2]</sup>.

### REFERENCES

[1]. Picone RP, et al. (-)-7'-Isothiocyanato-11-hydroxy-1',1'-dimethylheptylhexahydrocannabinol (AM841), a high-affinity electrophilic ligand, interacts covalently with a cysteine in helix six and activates the CB1 cannabinoid receptor. *Mol Pharmacol.* 2005 Dec;68(6):1623-35.

[2]. Keenan CM, et al. AM841, a covalent cannabinoid ligand, powerfully slows gastrointestinal motility in normal and stressed mice in a peripherally restricted manner. *Br J Pharmacol.* 2015 May;172(9):2406-18.

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

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