



# SZABO SCANDIC

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## Produktinformation



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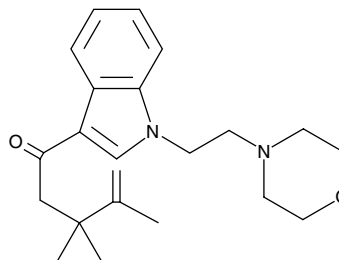
# Product Information



## A-796260 Degradant

Item No. 17515

**CAS Registry No.:** 1616469-10-3  
**Formal Name:** 3,3,4-trimethyl-1-(1-(2-morpholinoethyl)-1H-indol-3-yl)pent-4-en-1-one  
**Synonym:** LTI-258 Degradant  
**MF:** C<sub>22</sub>H<sub>30</sub>N<sub>2</sub>O<sub>2</sub>  
**FW:** 354.5  
**Purity:** ≥95%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in methanol  
**UV/Vis.:** λ<sub>max</sub>: 212, 246, 303 nm



### Laboratory Procedures

For long term storage, we suggest that A-796260 degradant be stored as supplied at -20°C. It should be stable for at least one year.

A-796260 degradant is supplied as a solution in methanol. To change the solvent, simply evaporate the methanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as ethanol, DMSO, and dimethyl formamide purged with an inert gas can be used. The solubility of A-796260 degradant in these solvents is approximately 30, 10, and 20 mg/ml, respectively.

A-796260 degradant is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the ethanolic solution of A-796260 degradant should be diluted with the aqueous buffer of choice. A-796260 degradant has a solubility of approximately 0.25 mg/ml in a 1:3 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

A-796260 (Item No. 11606) is a synthetic cannabinoid (CB) that shows high selectivity for the CB<sub>2</sub> receptor (K<sub>i</sub> = 0.77 nM) over the CB<sub>1</sub> receptor (K<sub>i</sub> = 2,100 nM).<sup>1</sup> It also shows efficacy *in vivo* in models of inflammatory, post-operative, neuropathic, and osteoarthritic pain, activities which are selectively blocked by CB<sub>2</sub> receptor-selective antagonists.<sup>2</sup> A-796260 degradant is an impurity that may be produced in the synthesis of A-796260. The physiological and toxicological properties of this compound are not known. This product is intended for forensic and research applications.

### References

1. Poso, A. and Huffman, J.W. Targeting the cannabinoid CB<sub>2</sub> receptor: Modelling and structural determinants of CB<sub>2</sub> selective ligands. *Br. J. Pharmacol.* **153**(2), 335-346 (2008).
2. Yao, B.B., Hsieh, G.C., Frost, J.M., *et al.* *In vitro* and *in vivo* characterization of A-796260: A selective cannabinoid CB<sub>2</sub> receptor agonist exhibiting analgesic activity in rodent pain models. *Br. J. Pharmacol.* **153**(2), 390-401 (2008).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/17515](http://www.caymanchem.com/catalog/17515)

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

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