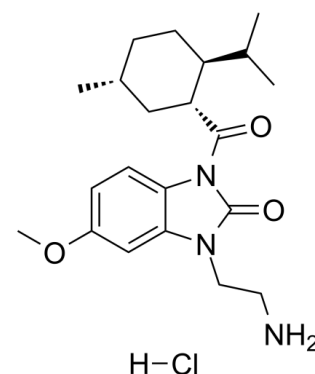


## Data Sheet

<b>Product Name:</b>	D-3263 (hydrochloride)
<b>Cat. No.:</b>	CS-5891
<b>CAS No.:</b>	1008763-54-9
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>32</sub> CIN <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	409.95
<b>Target:</b>	TRP Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Solubility:</b>	DMSO : ≥ 40 mg/mL (97.57 mM)



### BIOLOGICAL ACTIVITY:

D-3263 hydrochloride is an enteric-coated, orally bioavailable (transient receptor potential melastatin member 8) **TRPM8** agonist. **In Vitro:** D-3263 hydrochloride binds to and activates TRPM8, which may result in an increase in calcium and sodium entry; the disruption of calcium and sodium homeostasis; and the induction of cell death in TRPM8-expressing tumor cells. D-3263 hydrochloride may decrease dihydrotestosterone (DHT) levels, which may contribute to its inhibitory effects on prostate cancer and BPH<sup>[1]</sup>.

### References:

[1]. enteric-coated TRPM8 agonist D-3263 hydrochloride

### CAIndexNames:

2H-Benzimidazol-2-one, 3-(2-aminoethyl)-1,3-dihydro-5-methoxy-1-[[[(1R,2S,5R)-5-methyl-2-(1-methylethyl)cyclohexyl]carbonyl]-, hydrochloride (1:1)

### SMILES:

[H]Cl.O=C1N(CCN)C2=CC(OC)=CC=C2N1C([C@H]3[C@H](C(C)C)CC[C@@H](C)C3)=O

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

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