

<b>Product Name:</b>	Mosapride Citrate
<b>Product Number:</b>	M099
<b>CAS Number:</b>	112885-42-4
<b>Molecular Formula:</b>	$C_{21}H_{25}ClFN_3O_3 \cdot C_6H_8O_7$
<b>Molecular Weight:</b>	614.02
<b>Form:</b>	Powder
<b>Appearance:</b>	white or off-white crystalline powder
<b>Solubility:</b>	Very soluble in DMSO
<b>Source:</b>	Synthetic
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	Mosapride Citrate, developed by Takeda, is a gastroprokinetic agent that enhances gastrointestinal motility, and exerts anti-inflammatory effects on the GI tract. It acts as a 5-HT <sub>4</sub> receptor agonist and 5-HT <sub>3</sub> receptor antagonist.
<b>Mechanism of Action:</b>	Mosapride Citrate is a 5-HT <sub>4</sub> receptor agonist and 5-HT <sub>3</sub> receptor antagonist. It is also used as an antispasmodic.
<b>References:</b>	Curran MP and Robinson DM (2008) Mosapride in gastrointestinal disorders. <i>Drugs</i> . 68(7):981-991 Kim YH et al. (2015) Measurement of Human Cytochrome P450 Enzyme Induction Based on Mesalazine and Mosapride Citrate Treatments Using a Luminescent Assay. <i>Biomol Ther (Seoul)</i> 23(5):486-492 PMID 26336590 Yoshida N, Omoya H, Kato S, Ito T (1993) Pharmacological effects of the new gastroprokinetic agent mosapride citrate and its metabolites in experimental animals. <i>Arzneimittelforschung</i> 43(10):1078-1083 PMID 8267674