

Comparison of CGRP medication products currently available in the United States

	<b>Erenumab (Aimovig)</b>	<b>Fremanezumab (Ajovy)</b>	<b>Galcanezumab (Emgality)</b>
<b>Approval Date</b>	May 17 <sup>th</sup> , 2018	September 14 <sup>th</sup> , 2018	September 27 <sup>th</sup> , 2018
<b>Dosing</b>	70mg SC monthly; may be trialed at 140mg SC monthly	225mg SC monthly OR 675 mg SC every 3 months	Loading dose 240mg SC followed by 120mg SC monthly
<b>Storage/ Administration</b>	Store refrigerated; place at room temperature for 30 minutes prior to administration in abdomen, thigh, upper arm	Store refrigerated; place at room temperature for 30 minutes prior to administration in abdomen, thigh, upper arm	Store refrigerated; place at room temperature for 30 minutes prior to administration in abdomen, thigh, back of upper arm, or buttocks
<b>Adverse Reactions</b>	Injection site reactions (6%), constipation (1%), muscle cramp/spasm (<1%)	Injection site reactions (43-45%)	Injection site reactions (18%)
<b>Anti-Drug Antibodies*</b>	6.2% (70mg dose) and 2.6% (140mg dose); 2/1,282 patients with in vitro neutralizing activity	1.6% (open label study); 17/1,888 patients with in vitro neutralizing activity	4.8%; 32/688 patients with in vitro neutralizing activity
<b>Geriatric and Renal Impairment (CrCl&lt;30 ml/min)</b>	Not sufficiently studied	Not sufficiently studied	Not sufficiently studied
<b>Peak Concentration</b>	6 days	5 to 7 days	5 days
<b>Elimination Half-life</b>	28 days	31 days	27 days
<b>Time to Steady-state Concentration</b>	3 months	6 months	After one loading dose
<b>Elimination</b>	Saturable binding to CGRP receptor; non-saturable proteolytic activity	Proteolytic activity	Proteolytic activity via catabolic pathways

SC = subcutaneous; mg = milligrams; CGRP = calcitonin gene-related peptide

\* = Due to differences in immunoassays and other factors in analysis, comparing this statistic across CGRP inhibitors may not be accurate or appropriate.

Developed for [paindr.com](http://paindr.com) by Dr. Nicholas Trotta and reviewed by Dr. Jeffrey Fudin  
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