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(54) Title: EXTENDED RELEASE COMPOSITIONS COMPRISING PYRIDOSTIGMINE

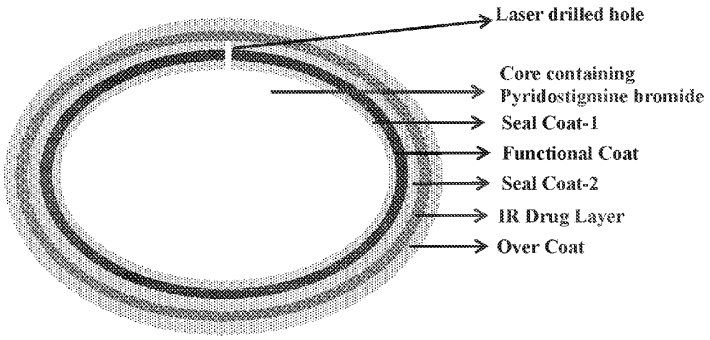


FIGURE 3B

(57) Abstract: The present disclosure provides extended release pyridostigmine compositions for symptomatic treatment of myasthenia gravis; pretreatment for exposure to the chemical nerve agent Soman; and/or the treatment of orthostatic dizziness, lightheadedness, or the "feeling that you are about to black out" in adult patients with symptomatic neurogenic orthostatic hypotension caused by primary autonomic failure (Parkinson's disease, multiple system atrophy, and pure autonomic failure),. The compositions of the disclosure provide reduced Fluctuation Index; reduced/blunted Cmax; higher Cmin, reduced Cmax: Cmin ratio, and reduced initial burst release of the drug, as compared to marketed pyridostigmine products. The dosage forms include matrix tablets, gastroretentive tablets, and pellets, the latter being suitable for dosing in capsules, tablets, and sachets, as well as for sprinkling on foodstuffs.

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