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# (12) United States Patent

### Crystal et al.

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#### (54) NASAL DRUG PRODUCTS AND METHODS OF THEIR USE

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# (51) **Int. Cl.**

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A61M 5/00	(2006.01)
A61F 13/00	(2006.01)
A61K 31/56	(2006.01)
A61K 9/00	(2006.01)
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A61K 47/18	(2006.01)
A61K 9/08	(2006.01)
A61M 11/02	(2006.01)
A61M 15/08	(2006.01)

#### (52) U.S. Cl.

A61M 31/00 (2013.01)

#### (58) Field of Classification Search

None

See application file for complete search history.

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#### (57) ABSTRACT

Drug products adapted for nasal delivery, comprising a preprimed device filled with a pharmaceutical composition comprising an opioid receptor antagonist, are provided. Methods of treating opioid overdose or its symptoms with the inventive drug products are also provided.



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FIGURE 1

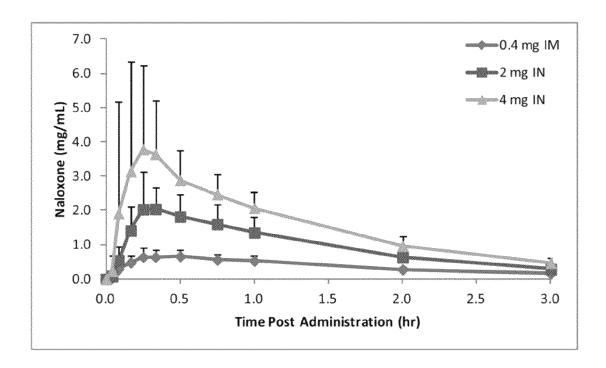
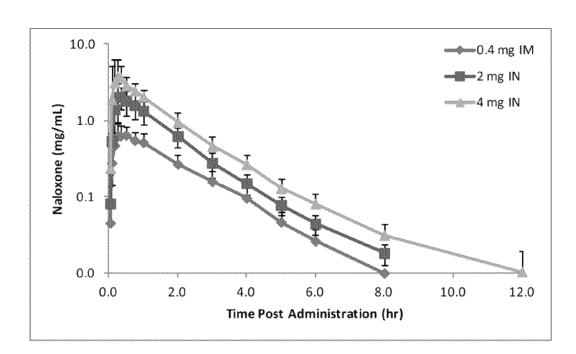


FIGURE 2



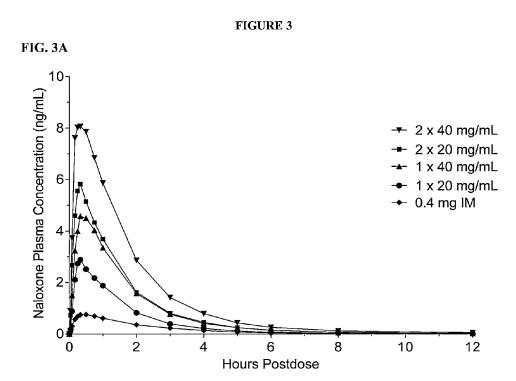
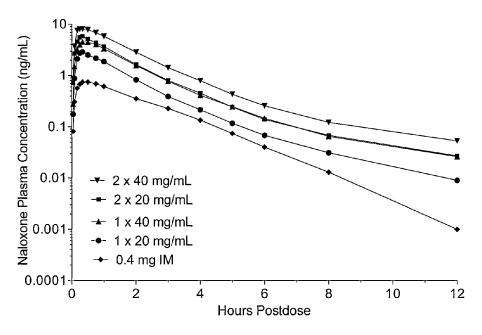


FIG. 3B





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