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## Patent Search

Invention Title	PAEDIATRIC FORMULATION OF CLOBAZAM USING FOOD GRADE MALTODEXTRIN AS TASTE MASKING AGENT AND PREPARATION METHOD THERE
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### Inventor

Name	Address	Country	Nationality
Atin Kalra	Assistant Professor, Amity Institute of Pharmacy (AIP), Amity University, Gurgaon, Haryana-122412	India	India
Satish Sardana	Professor, Amity Institute of Pharmacy (AIP), Amity University, Gurgaon, Haryana-122412	India	India
Pradip Nirbhavane	Assistant Professor, Amity Institute of Pharmacy (AIP), Amity University, Gurgaon, Haryana-122412	India	India

### Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27, DEFENCE COLONY, NEW DELHI - 110024, INDIA	India	India

### Abstract:

ABSTRACT The present invention describes a paediatric formulation of clobazam using food grade maltodextrin as taste masking agent. The primary goal of the present invention is to provide easily swallowable orodispersible mini-tablets and films of Clobazam. The other novel feature of the present formulation(s) is realization of taste masking of Clobazam using food grade maltodextrin by preparing its complexes. Initially, Clobazam (10 mg) is added to beaker containing distilled water (80 ml) and stirred on magnetic stirrer under heating at temperatures in the range of 40- 45 ? C. After 30 min., maltodextrin (20 mg) is added and solution was kept under stirring for another 4 h. Finally, the water is evaporated to give a free flowing blend which can then be incorporated to produce ODMT and ODF of Clobazam.

### Complete Specification

#### DESC:FIELD OF INVENTION:

This invention generally relates to the field of the paediatric formulation of clobazam and preparation method thereof, and more particularly relates to a paediatric formulation of clobazam using food grade maltodextrin as taste masking agent and preparation method thereof.

#### BACKGROUND OF THE INVENTION

health practitioners, pharmacists and care givers. Often, it's the lack of age-appropriate dosage forms that play critical role in sub-optimal therapeutic outcomes in said age group.

Worldwide many medicines for children are administered by adjusting the adult dose. Therefore, treatment of simple conditions like common cold to more challenging ones like HIV in children requires health care professional to dispense adult dosage forms by scoring tablets, crush pills, open capsules or extemporaneously preparing the pediatric dosage. This often results in dosing errors. Finally, alteration in stability of the extemporaneous formulation's vis a vis unit dosage form is another challenge which requires urgent addressal.

Present research work is aimed at developing pediatric dosage forms such as oro-dispersible mini tablets (ODMT) and oro-dispersible films (ODF) of anti-epileptic drug Clobazam using food grade maltodextrin as taste masking agent.

Improving therapeutic outcomes in pediatric patients has remained a challenging quest for health practitioners, pharmacists and care givers because of multiple issues that tend to have detrimental effects on favorable treatment outcomes in this age group, whether it's a bigger issue of lack of age specific dosage forms to a seemingly smaller ones like parents understanding of medications and labeling instructions. For example, a relatively simple labeling instruction "For children under 5 years half teaspoonful

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