



KMCH INSTITUTE OF HEALTH SCIENCES AND RESEARCH

(A unit of Kovai Medical Center and Hospital Limited)

Coimbatore, Tamil Nadu

Department of Pharmacology

New Drug Update

(New Drugs and Available Drugs with New Formulation)

New drugs approved by FDA

- 1. Pafolacianine**
- 2. Maribavir**
- 3. Sirolimus protein-bound**
- 4. Vosoritide**
- 5. Ropeginterferon alfa-2b-njft**
- 6. Topiramate**

"Nearly every great discovery in science has come as the result of providing a new question rather than a new answer"



Series - 29
December 2021

1. Pafolacianine	2. Maribavir
<p>Date of Approval: November 29, 2021</p> <p>Mechanism of action: Fluorescent imaging agent</p> <p>Indication: Identification of Ovarian Cancer During Surgery</p> <p>Dosage Formulation: Intravenous Injection</p>	<p>Date of Approval: November 23, 2021</p> <p>Mechanism of action: Inhibits Cytomegalovirus (CMV) pUL97 kinase</p> <p>Indication: CMV Infection in Post-Transplant Patients</p> <p>Dosage Formulation: Tablet</p>

3. Sirolimus protein-bound	4. Vosoritide
<p>Date of Approval: November 22, 2021</p> <p>Mechanism of action: Albumin - bound Sirolimus, Inhibits Mechanistic target of rapamycin kinase (mTOR)</p> <p>Indication: Malignant Perivascular Epithelioid Cell Tumour (PEComa)</p> <p>Dosage Formulation: Intravenous Injection</p>	<p>Date of Approval: November 19, 2021</p> <p>Mechanism of action: C type natriuretic peptide (CNP) analogue which increases linear growth in paediatric patient ≥ 5 years</p> <p>Indication: Achondroplasia</p> <p>Dosage Formulation: Subcutaneous Injection</p>

5. Roppeginterferon alfa-2b-njft	6. Topiramate
<p>Date of Approval: November 12, 2021</p> <p>Mechanism of action: Long-acting, Mono-pegylated proline interferon (Orphan status in US)</p> <p>Indication: Polycythaemia Vera in adults</p> <p>Dosage Formulation: Subcutaneous Injection</p>	<p>Date of Approval: November 5, 2021</p> <p>Mechanism of action: Prolongs Na⁺ channel inactivation, Increases GABA activity and Inhibits glutamate activity, Inhibits Carbonic anhydrase</p> <p>Indication: Epilepsy, Migraine Prevention</p> <p>Dosage Formulation: Ready-to-use oral solution</p>