

Department of Pharmacology
New drug update

Series 26
September 2021



**“Greater even than
 the greatest
 discovery is to
 keep open the way
 to future
 discovery”**

FDA APPROVED DRUGS

- ❖ **Avalglucosidase alfa – ngpt**
- ❖ **Tick - borne encephalitis vaccine**
- ❖ **Belzutifan**
- ❖ **Difelikefalin**
- ❖ **COVID - 19 mRNA vaccine**
- ❖ **Lonapegsomatropin - tcgd**

Avalglucosidase alfa – ngpt

Approval date: August 6, 2021

Mechanism: A hydrolytic lysosomal glycogen-specific enzyme, which binds to Mannose - 6 - Phosphate (M6P) receptors that reside on the surface of cells

Indication: Late - onset Pompe Disease

Dosage formulation: Lyophilized powder for injection (Intravenous infusion)

Tick - borne encephalitis vaccine

Approval date: August 13, 2021

Mechanism: An inactivated whole virus vaccine indicated for active immunization

Indication: Tick - Borne Encephalitis prophylaxis in individuals aged 1 year and older

Dosage formulation: Injection (Intramuscular)

Belzutifan

Approval date: August 13, 2021

Mechanism: A selective inhibitor of Hypoxia - Inducible Factor 2 alpha (HIF-2 α)

Indication: Von Hippel - Lindau Disease Associated Tumours (Renal Cell Carcinoma, Central Nervous System Hemangioblastomas, or Pancreatic Neuroendocrine Tumours) in adults

Dosage formulation: Tablet

Difelikefalin

Approval date: August 23, 2021

Mechanism: A selective peripheral kappa opioid receptor agonist

Indication: Chronic Kidney Disease - associated Pruritus (CKD – aP) in adults undergoing hemodialysis

Dosage formulation: Injection (Intravenous bolus)

COVID - 19 mRNA vaccine

Approval date: August 23, 2021

Mechanism: A mRNA vaccine indicated for active immunization

Indication: Prevention of COVID - 19 in individuals aged 16 years and older

Dosage formulation: Injection (Intramuscular - 2 doses 3 weeks apart)

Lonapegsomatropin - tcgd

Approval date: August 25, 2021

Mechanism: Methoxypegylated prodrug of human growth hormone (Somatropin)

Indication: Paediatric Growth Hormone Deficiency

Dosage formulation: Injection (Subcutaneous once weekly)

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