

Indian Journal of Biochemistry & Biophysics Vol. 58, December 2021, pp. 557-564



Drug repurposing of Daclatasvir and Famciclovir as antivirals against dengue virus infection by *in silico* and *in vitro* techniques

Naresh P^1 , Shyam Sundar P^1 , Girija K^2 , Pradheesh SJ^1 , Shanthoshivan AG^1 , Akashwaran S^1 , Swaroop AK^1 & Jubie S^{1*}

¹Department of Pharmaceutical Chemistry, JSS College of Pharmacy, JSS Academy of Higher Education & Research, Ooty-643 001, Tamil Nadu, India

²Department of Pharmaceutical Chemistry, Mother Teresa Post Graduate & Research Institute of Health Sciences, Puducherry-605 006, U.T., India

Received 15 December 2020; revised 09 January 2021

Supplementary Table

Suppl.Table1 — 2D Structures of the selected drugs		
Name of the drug	Structure	Use
Acyclovir	H ₂ N N N	It treats cold sores around the mouth (caused by herpes simplex)
Zidovudine	H ₃ C NH	It is used in pregnant women to prevent passing the HIV to the unborn baby
Lamivudine	NH ₂ N N N N N N N N N N N N N N N N N N N	It is used to treat hepatitis B infection.

It is an antiviral medication to Influenza. Baloxavir Daclatasvir It is used to treat the Hepatitis B virus. Famciclovir It treats shingles caused by herpes zoster. It is used to prevent disease caused by Ganciclovir Cytomegalovirus. Stavudine It is used for HIV infection. Oseltamivir It is used to treat Influenza



