

Do patent barriers exist and how strong are they?

Drug candidate	There are valid active patents in India for basic composition/ formulation/ processes (Yes -1; No -0)	Basic composition of API is protected in India with valid active patents (Yes -1; No -0)	Basic (Innovator's) process of manufacture of API is protected in India with valid active patents (Yes -1; No -0)	Basic (Innovator's) formulation/ drug product (not API) is protected in India with valid active patents (Yes -1; No -0)	Patent barriers exist? (Yes -1; No -0)	Strength of patent barriers (higher% means Higher barriers; weightage for composition is higher)	Drug candidate
Chloroquine	0	0	0	0	0	0%	Chloroquine
Hydroxychloroquine	0	0	0	0	0	0%	Hydroxychloroquine
Remdesivir	1	1	1	1	1	100%	Remdesivir
Lopinavir/Ritonavir	0	0	0	0	0	0%	Lopinavir/Ritonavir
Favipiravir	1	0	1	1	1	50%	Favipiravir
Baloxavir Marboxil	1	1	1	1	1	100%	Baloxavir Marboxil
Darunavir	0	0	0	0	0	0%	Darunavir
Ribavirin + IFN beta	0	0	0	0	0	0%	Ribavirin + IFN beta
Galidesivir	0	0	0	0	0	0%	Galidesivir
Oseltamivir	0	0	0	0	0	0%	Oseltamivir
Umifenovir	0	0	0	0	0	0%	Umifenovir
Camostat mesylate	0	0	0	0	0	0%	Camostat mesylate
Ruxolitinib	1	1	1	1	1	100%	Ruxolitinib
Interferon beta	0	0	0	0	0	0%	Interferon beta
Tocilizumab	0	0	0	0	0	0%	Tocilizumab
Ustekinumab	1	1	1	1	1	100%	Ustekinumab
Nigericin	0	0	0	0	0	0%	Nigericin
Teicoplanin	0	0	0	0	0	0%	Teicoplanin
Ivermectin	0	0	0	0	0	0%	Ivermectin

Source: TFORD-COVID19-India (c) Venture Center, 2020