List of Abbreviations

1. ANN - Artificial neural networks
2. ATP - Adenosine triphosphate
3. AUC - Area under the concentration versus time curve
4. AUFS - Area under full scale
5. AUMC - Area under the moment curve
6. BCG - Bacillus-Calmette-Guerin
7. BCS - Biopharmaceutics Classification System
8. BP - British Pharmacopoeia
9. Ca - Calcium
10. cAMP - cyclic Adenosine mono phospate
11. CAS - Chemical abstract services
12. 8-CITHP - 8-chlorotheophylline
13. CI - Confidence Interval
14. C_{\text{max}} - Maximum plasma concentration
15. CNS - Central nervous system
16. CO_{2} - Carbon dioxide
17. COPD - Chronic obstructive pulmonary disease
18. CRFA - Cumulative relative fraction absorbed
19. % CV - Percent coefficient of variation
20. D - Amount of drug released
21. DAE - Drug adsorbed emulsion
22. 25-DAR - 25-Desacetyl rifampicin
23. DDRP - DNA dependent RNA polymerase
24. DNA - Deoxyribonucleic acid
25. DOSS - Dioctyl sodium sulphosuccinate
26. DOTS - Directly Observed Therapy Short Course
27. DTPA - Diethylenetriaminepentaacetic acid
28. EIA - Enzyme immunoassay
29. EMIT - Enzyme multiplied immunoassay technique
30. ER - Extended release
31. ETB - Ethambutol
32. F - Fraction absorbed
33. FaSSIF - Simulated interstitial fluid (fasting)
34. FDA - Food and Drug Administration
35. FDC - Fixed dose combination
36. FeSSIF – Simulated interstitial fluid (fed state)
37. FIP – International Pharmaceutical Federation
38. 3-FRSV – 3-formyl rifamycin SV
39. GC – Gas chromatography
40. GIT – Gastrointestinal tract
41. GMP – Good manufacturing practice
42. H₃PO₄ – ortho-phosphoric acid
43. HCl – Hydrochloric acid
44. HEDTA – β-hydroxyethylenediaminetetraacetic acid
45. HPC – Hydroxypropyl cellulose
46. HPLC – High performance liquid chromatography
47. HPMC – Hydroxypropyl methylcellulose
48. HPTLC – High performance thin layer chromatography
49. INH – Isoniazid
50. IP – Indian Pharmacopoeia
51. IR – Immediate release
52. IS – Internal standard
53. IUATLD – International Union Against Tuberculosis and Lung Disease
54. IVIVC – In vitro–in vivo correlation
55. KBr – Potassium bromide
56. KCNS – Potassium thiocyanate
57. Ke – Elimination rate constant
58. KH₂PO₄ – Potassium dihydrogen phosphate
59. KI – Potassium iodide
60. LCR – Ligase chain reaction
61. LOD – Limit of detection
62. LOQ – Limit of quantitation
63. MAT – Mean absorption time
64. MDR – Multi drug resistant
65. MDT – Mean dissolution time
66. MeCN – Acetonitrile
67. MeOH – Methanol
68. MIC – Minimum inhibitory concentration
69. MR – Modified release
70. MRT – Mean residence time
71. MSE – Mean square error
72. NAAT – Nucleic acid amplification tests
73. NASBA - Nucleic acid sequence base amplification
74. Na₂SO₄ - Sodium sulphate
75. Na₂HPO₄ - Disodium hydrogen phosphate
76. NaBr - Sodium bromide
77. NaCNS - Sodium thiocyanate
78. NADH - Nicotinamide adenine dinucleotide
79. NaI - Sodium iodide
80. NaOH - Sodium hydroxide
81. NLT - Not less than
82. NTA - Nitrilotriacetic acid
83. ODS - Octadecyl silane
84. OTC - Over the counter
85. PAS - Para aminosalicylic acid
86. PCR - Polymerase chain reaction
87. PE - Prediction error
88. Ph.Eur - European Pharmacopoeia
89. pKa - Ionisation constant
90. PLG - Poly lactide-co-glycolide
91. PZ - Pyrazinamide
92. QC - Quality Control
93. R² - Coefficient of correlation
94. RA - Repeat action
95. RIF - Rifampicin
96. RNA - Ribonucleic acid
97. RP-HPLC - Reversed phase high performance liquid chromatography
98. rpm - Revolutions per minute
99. RT - Retention time
100. SD - Standard deviation
101. SEM - Standard error of mean
102. SGF - Simulated gastric fluid
103. SIF - Simulated intestinal fluid
104. SIFsp - Simulated intestinal fluid without enzymes
105. SLS - Sodium lauryl sulphate
106. SR - Sustained release
107. STR - Streptomycin
108. t₁/₂ - Half life of drug
109. TB - Tuberculosis
110. THC - Thioacetazone
111. THF - Tetrahydrofuran
112. THP - Theophylline
113. TLC - Thin layer chromatography
114. $T_{\text{max}}$ - Time taken to reach maximum plasma concentration
115. TR - Targeted release
116. USP - United States Pharmacopoeia
117. UV-Vis - Ultraviolet-visible
118. WHO - World Health Organisation