Microbial Screening for Secondary Metabolites Production

Our secondary metabolites screening service identifies bioactive compounds from microorganisms for pharmaceuticals and industries. We offer isolation, purification, chemical characterization, and bioactivity assays tailored to your needs.

Rs 18000

Per 50 Plates Batch

+91-8977624748

Our secondary metabolites screening service specializes in identifying and analyzing bioactive compounds derived from microorganisms, crucial for pharmaceutical, agricultural, and industrial applications. We offer comprehensive solutions including isolation, purification, chemical characterization, and bioactivity assays. Utilizing advanced techniques like mass spectrometry and NMR spectroscopy, we ensure precise identification of metabolites. Our customized screening services are designed to meet your specific research needs, facilitating drug discovery, agricultural innovation, and industrial bioprocessing. Partner with us to unlock the potential of microbial secondary metabolites and accelerate your R&D projects.

Our secondary metabolites screening service from microorganisms offers cutting-edge research and analysis for discovering and identifying bioactive compounds. Leveraging advanced technology and expertise, we provide comprehensive screening solutions tailored to your specific needs.

We focus on isolating and characterizing secondary metabolites, essential for various applications, including pharmaceuticals, agriculture, and industrial processes. Our service includes:

Isolation and Purification

Using state-of-the-art techniques, we isolate and purify secondary metabolites from diverse microbial sources, ensuring high-quality samples for further analysis.

Cost as mentioned above.

Chemical Characterization

Our team employs advanced analytical methods, such as mass spectrometry and NMR spectroscopy, to precisely characterize the chemical structures of isolated metabolites.

Note: Additional Costs are applied.

Bioactivity Assays

We perform a range of bioactivity assays to evaluate the potential therapeutic and industrial applications of the identified metabolites, including antimicrobial, antifungal, anticancer, and enzyme inhibition activities.

Note: Additional Costs are applied.

Customized Solutions

We offer tailored screening solutions to meet your unique research requirements, whether for drug discovery, agricultural innovation, or industrial bioprocessing.

Note: Additional Costs are applied.

By outsourcing your secondary metabolites screening to us, you gain access to a team of experts dedicated to delivering accurate, reliable, and insightful results. Our comprehensive approach ensures that you can unlock the full potential of microbial secondary metabolites for your specific applications, accelerating your research and development projects.

Secondary Metabolites Categories

1. Antibiotics
2. Antifungals
3. Anticancer Agents
4. Immunosuppressants
5. Antiparasitics
6. Antiviral Agents
7. Anti-inflammatory Agents
8. Growth Promoters
9. Siderophores
10. Plant Growth Regulators
11. Bacteriocins
12. Toxins
13. Mycotoxins
14. Cyanotoxins
15. Algal Toxins
16. Bacterial Toxins

17. Endotoxins
18. Exotoxins
19. Neurotoxins
20. Cytotoxins
21. Enterotoxins
22. Hemolysins
23. Dermonecrotic Toxins
24. Adhesins
25. Virulence Factors
26. Pigments
27. Melanins
28. Carotenoids
29. Prodigiosins
30. Phenazines
31. Flavonoids
32. Anthocyanins
33. Phycobiliproteins
34. Terpenoids
35. Polyketides
36. Nonribosomal Peptides
37. Alkaloids
38. Saponins
39. Glycosides
40. Cyanogenic Glycosides
41. Glucosinolates
42. Phenolic Compounds
43. Tannins
44. Lignans
45. Coumarins
46. Stilbenes
47. Isoflavonoids
48. Phenolic Acids
49. Caffeic Acid Derivatives
50. Ferulic Acid Derivatives
51. Quinones
52. Benzoquinones
53. Anthraquinones
54. Naphthoquinones
55. Enzyme Inhibitors
56. Protease Inhibitors
57. Amylase Inhibitors
58. Lipase Inhibitors
59. Topoisomerase Inhibitors
60. Kinase Inhibitors
61. Angiotensin-Converting Enzyme (ACE) Inhibitors
62. Cyclooxygenase (COX) Inhibitors

63. Acetylcholinesterase Inhibitors
64. Monoamine Oxidase (MAO) Inhibitors
65. Aldose Reductase Inhibitors
66. Glucosidase Inhibitors
67. Xanthine Oxidase Inhibitors
68. Tyrosinase Inhibitors
69. Histone Deacetylase (HDAC) Inhibitors
70. Dipeptidyl Peptidase-4 (DPP-4) Inhibitors
71. Anti-HIV Agents
72. Anti-TB Agents
73. Antimalarial Agents
74. Antibiotic Resistance Modifiers
75. Quorum Sensing Inhibitors
76. Biofilm Inhibitors
77. Antimicrobial Peptides
78. Defensins
79. Cationic Peptides
80. Cyclotides
81. Lantibiotics
82. Thiolactones
83. Peptaibols
84. Glycolipids
85. Lipopolysaccharides
86. Lipopeptides
87. Rhamnolipids
88. Biosurfactants
89. Quorum Quenching Compounds
90. Polyether Antibiotics
91. Ionophores
92. Nitrogen-Fixing Agents
93. Phosphate-Solubilizing Agents
94. Plant Growth-Promoting Rhizobacteria (PGPR) Compounds
95. Phytoalexins
96. Phytohormones
97. Jasmonates
98. Salicylates
99. Artemisinins
100. Statins
101. Fungicidins
102. Botulinum Toxins
103. Shiga Toxins
104. Beta-lactamase Inhibitors
105. Cephalosporins
106. Macrolides
107. Aminoglycosides
108. Chloramphenicol Derivatives

109. Fusidic Acid Derivatives
110. Probiotics
111. Prebiotics
112. Synbiotics
113. Aliphatic Acids
114. Aromatic Acids
115. Polyamines
116. Lectins
117. Thiocyanates
118. Antioxidants
119. Chelating Agents
120. Metal-binding Peptides
121. Detoxification Agents
122. Biodegradation Agents
123. Bioremediation Agents
124. Industrial Enzymes
125. Food Preservatives
126. Biopolymers
127. Bioplastics
128. Biocontrol Agents
129. Anti-fouling Agents
130. Antibiofilm Agents
131. Dehydrogenase Inhibitors
132. Dehydratase Inhibitors
133. Decarboxylase Inhibitors
134. Dihydrofolate Reductase Inhibitors
135. Chitinase Inhibitors
136. Glutathione S-transferase Inhibitors
137. Respiratory Chain Inhibitors
138. ATPase Inhibitors
139. Microcins
140. Antiproliferative Agents
141. Iron Chelators
142. Calcium Channel Blockers
143. Histamine Blockers
144. Proton Pump Inhibitors
145. GABA Receptor Modulators
146. Vasodilators
147. HMG-CoA Reductase Inhibitors

Contact us for more info