

# **MycoResistance: A Curated Resource of Drug Resistance Molecules in *Mycobacteria***

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## **Contents**

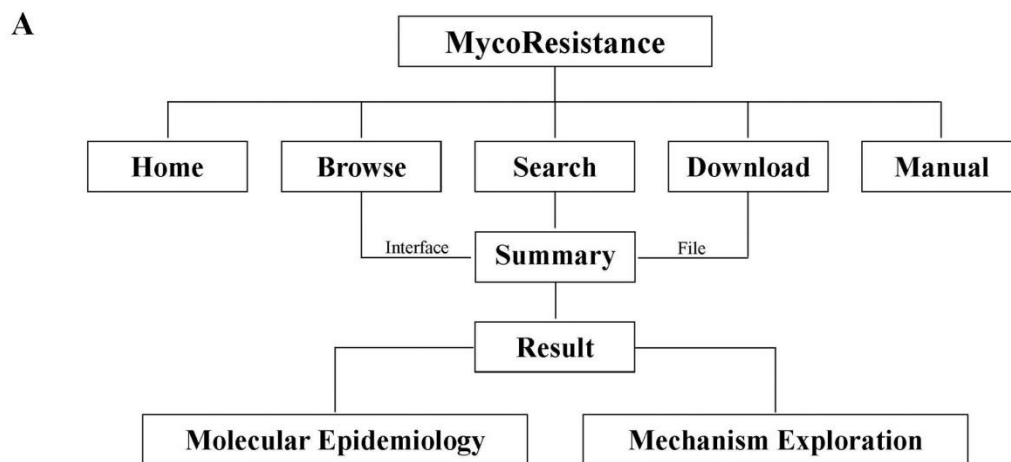
**Supplementary Figure S1.** Summary of keywords and literatures that were used in MycoResistance database.

**Supplementary Figure S2.** The architecture and interface of MycoResistance database.

**Supplementary Figure S1. Summary of keywords and literatures that were used in MycoResistance database.**

		Keyword 2				
		Drug Resistance	Drug Susceptibility	Drug Sensitivity	Drug Response	
Keyword 1	Gene	2,466	604	2,466	604	3,705
	Mutation	2,080	176	1,113	176	
	Genome Variation	113	23	39	12	
	Coding Region	60	22	26	14	
	Non-coding Region	4	1	1	0	
	Intergenic Region	62	25	43	7	
	Non-coding RNA	20	4	12	17	
	Small RNA	31	7	18	7	
		Mycobacteria				
		Keyword 3				

**Supplementary Figure S2. The architecture and interface of MycoResistance database.** (A) The architecture of MycoResistance. B) The interface of MycoResistance, including ‘Search’, ‘Browse’ and ‘Download’ pages.



**B**

**Search Form**

Species: All Species Note: 6 kinds of species were included in the database.

Compound: All Compounds Note: 73 compounds were included in the database.

Molecule: All Molecules Example: rpoB, katG or rrs

Research Category: All Research

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**Compound List**

Show 10 entries

Compound	Formula	Weight	Grade	Route	Molecule
Ethionamide	CSH10N2S	166.24 g/mol	Second Line	Oral	<a href="#">More</a>
Ciprofloxacin	C17H18FN3O3	331.34 g/mol	Second Line	Oral	<a href="#">More</a>
Ampicillin	C16H19N3O4S	349.405 g/mol	Second Line	Injection	<a href="#">More</a>
Levofloxacin	C18H20FN3O4	361.36 g/mol	Second Line	Oral	<a href="#">More</a>
Ofloxacin	C18H20FN3O4	361.36 g/mol	Second Line	Oral	<a href="#">More</a>
Gatifloxacin	C19H22FN3O4	375.39 g/mol	Second Line	Oral	<a href="#">More</a>
Moxifloxacin	C21H24FN3O4	401.43 g/mol	Second Line	Oral	<a href="#">More</a>
Clofazimine	C27H22Cl2N4	473.39 g/mol	Second Line	Oral	<a href="#">More</a>
Kanamycin	C18H36N4O11	484.49 g/mol	Second Line	Injection	<a href="#">More</a>
Bedaquiline	C32H31BrN2O2	555.516 g/mol	Second Line	Oral	<a href="#">More</a>

Showing 61 to 70 of 73 entries

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**Download Form**

Release 1 (2019-02-18)  
Initial release.

File	Category	Release	Download
Reference Summary	All Research	2019-02-18	<a href="#">Download</a>
Epidemiology Information	Molecular Epidemiology	2019-02-18	<a href="#">Download</a>
Molecule Change Summary	Molecular Epidemiology	2019-02-18	<a href="#">Download</a>
Mechanism Information	Mechanism Exploration	2019-02-18	<a href="#">Download</a>