

Chemical structure of a 1,2,3,4,5-pentazapentalene derivative. The structure features a central five-membered ring with two nitrogen atoms (blue) and three carbon atoms (red). One carbon is bonded to a cyclopentyl group, and the other is bonded to a phenyl group. The bond length between the two nitrogens is labeled as 0.982.

Chemical structure of 1-(cyclopentylmethyl)-2-phenyl-1H-imidazo[4,5-b]pyridine-3-carbamoyl. The structure shows a fused imidazopyridine system. A carbonyl group is attached to the 3-position of the pyridine ring, with an NH group and an NH₂ group. A cyclopentylmethyl group is attached to the 1-position of the imidazole ring. A phenyl group is attached to the 2-position of the imidazole ring. A red highlight is placed over the bond between the cyclopentylmethyl group and the imidazole ring, with a value of 1.012.

Chemical structure of 1-(2-(4-fluorophenyl)-2-(cyclopentylmethyl)pyridin-5-yl)-1H-imidazole-4-carbamide. The structure shows a pyridine ring substituted with a cyclopentylmethyl group and a 2-(4-fluorophenyl) group. The pyridine ring is also substituted with a 1H-imidazole-4-carbamide group. The bond length between the nitrogen atom of the cyclopentylmethyl group and the carbon atom of the pyridine ring is highlighted in red, with a value of 1.007 Å.

Chemical structure of 1-(cyclopentylamino)-2-((2,4-difluorophenyl)methyl)-1H-imidazo[4,5-b]pyridine-3-carbamoyl. The structure shows a 1H-imidazo[4,5-b]pyridine core. At position 1, there is a cyclopentylamino group. At position 2, there is a (2,4-difluorophenyl)methyl group, indicated by a dashed bond. At position 3, there is a carbamoyl group (CONH₂). A bond length of 1.007 Å is labeled between the nitrogen of the cyclopentylamino group and the carbon of the imidazopyridine ring.

Chemical structure of 1-(2,4-difluorophenyl)-4-(pyrrolidin-1-yl)-1H-imidazo[4,5-b]pyridine-3-carboxamide. The structure features a central imidazopyridine core. A pyrrolidine ring is attached to the 4-position of the pyridine ring via its nitrogen atom. A 2,4-difluorophenyl group is attached to the 1-position of the imidazole ring via a dashed bond, indicating stereochemistry. A carboxamide group (-CONH-) is attached to the 3-position of the imidazole ring, with the nitrogen atom of the amide group connected to a pyrrolidine ring. The oxygen atom of the carbonyl group is highlighted in red.