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Design, synthesis and structure–activity relationships of 3,5-diaryl-1*H*-pyrazoles as inhibitors of arylamine *N*-acetyltransferase ☆

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ABSTRACT

The synthesis and inhibitory potencies of a novel series of 3,5-diaryl-1*H*-pyrazoles as specific inhibitors of prokaryotic arylamine *N*-acetyltransferase enzymes is described. The series is based on hit compound **1** 3,5-diaryl-1*H*-pyrazole identified from a high-throughout screen that has been carried out previously and found to inhibit the growth of *Mycobacterium tuberculosis*.