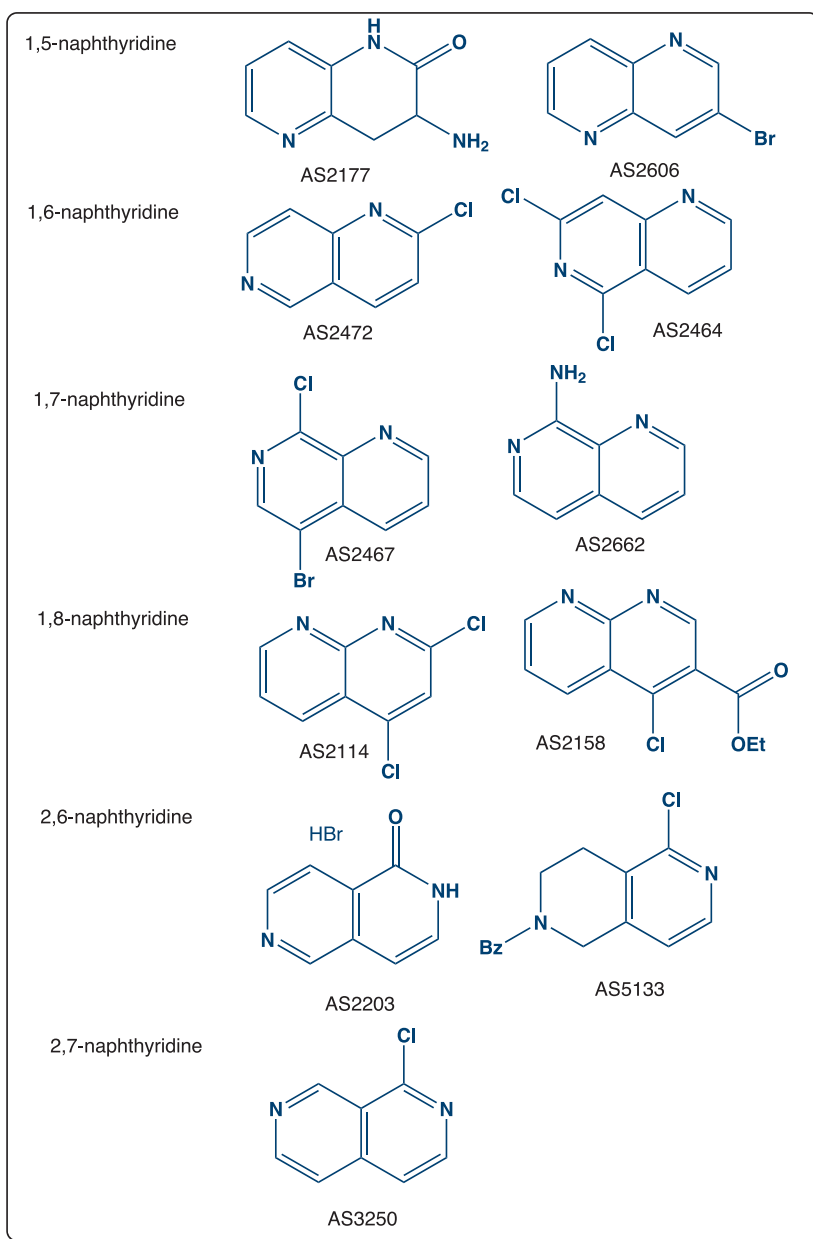


## Naphthyridine

Naphthyridine is a common structural feature in drug molecules with varied pharmacological activity: 1,6- and 1,8-naphthyridines act as kinase inhibitors (US2009239897); 1,8-naphthyridines are phosphodiesterase 4-inhibitors (US2005107402); 1,5-naphthyridines are active GABA<sub>A</sub> receptor ligands (US2002156280). We have launched a range of 1,5-, 1,6-, 1,7-, 1,8-, 2,6, and 2,7-naphthyridine synthons which are strategically substituted with amino, halo and carboxylic acid ester groups to facilitate further transformation. Some templates are available in reduced form. A selection of new building blocks is shown below.

For more examples of naphthyridines synthons, accurate availability & pricing information please check by substructure search "Naphthyridines" on our website: [www.activate-scientific.com](http://www.activate-scientific.com)



Functionalised naphthyridines are versatile scaffolds for the preparation of a range of drug like molecules. Utilisation of the rich variety of our naphthyridines allows the preparation of ring systems with different substitution and regiochemistry. Functional groups can undergo numerous transformations including Nucleophilic Aromatic Substitution reactions. N-Benzyl amines can be strategically deprotected leaving the free amine for potential elaboration using reductive alkylations, amide couplings, urea and sulfonamide formation reactions. The aryl halides readily participate in metal catalysed reactions such as carbonylations and Buchwald-Hartwig, Heck, Suzuki, and Sonogashira couplings.

