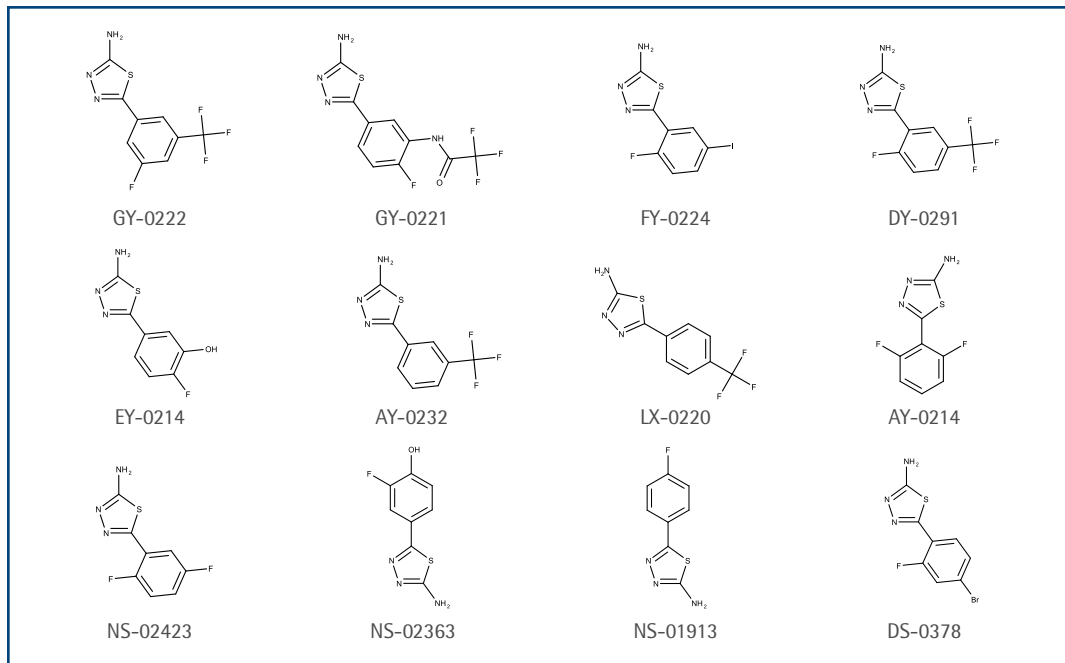


Thiadiazoles possess unique properties that make them useful scaffolds in medicinal chemistry. As bioisosteres of pyrimidines, their derivatives can potentially interact with DNA and RNA. The broad range of activities exhibited by thiadiazole-containing compounds is testimony to their utility.

Key Organics can offer a wide range of thiadiazole building blocks, both off the shelf or novel compounds via custom synthesis.



Ref: Zhao *et al*: Thiadiazole—a Promising Structure in Medicinal Chemistry: ChemMedChem, Volume 8, Issue 1, January 2013, Pages 27–41

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Functional Group and Substructure Group Classes

BIONET Functional Groups

Alcohols
Aldehydes
Amines
Amino Acids
Aromatic OH
Boron Compounds
Carboxylic Acids
Diamines
Dicarbonyls 1,3
Esters
Fluorinated Compounds
Hydrazides
Hydrazines
Hydroxylamines
Ketones
Miscellaneous Functional Groups
Nitriles
Protected Compounds
Reactive Halides
Saturated Compounds
Spiro Compounds
Sulphonyl Chlorides
Thiols

BIONET Substructure Groups

Anilines
Azaindoles
Benzimidazoles
Benzodioxepines
Benzodioxines
Benzodioxoles
Benzofurans
Benzothiadiazole
Benzothiazines
Benzothiazoles
Benzothiaphenes
Benzoxazines
Benzoxazoles/Benzisoxazoles
Furans
Imidazoles
Indoles
Isoindoles
Isoquinolines
Isothiazoles
Isoxazoles
Naphthalenes

Naphthyridines
Other Ring Systems
Oxadiazoles
Oxazoles
Piperidines
Pyrans
Pyrazoles
Pyrazolopyridines
Pyridines
Pyrimidines
Pyrroles
Pyrrolidines
Quinazoline
Quinolines
Quinoxalines
Thiadiazoles
Thiazolanes
Thiazoles
Thiaphenes
Triazoles

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