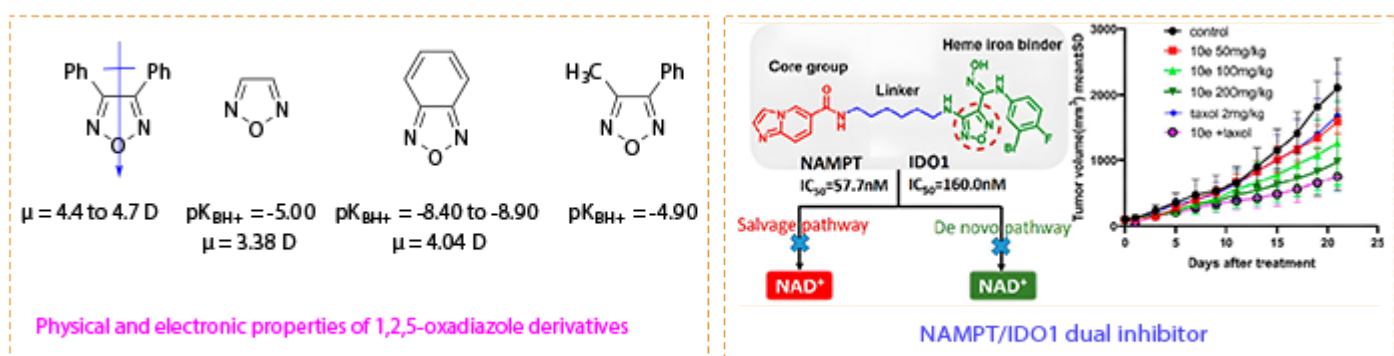


Building Blocks / Pharmaceutical Intermediates / Chemical Reagents

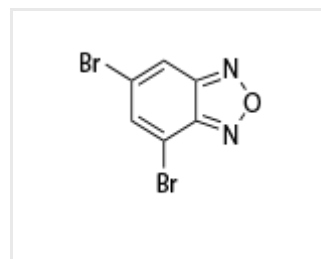
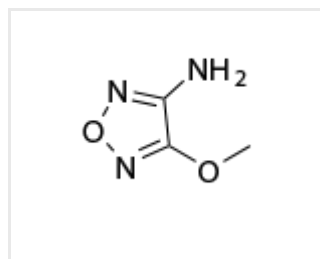
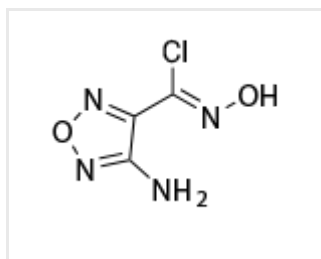
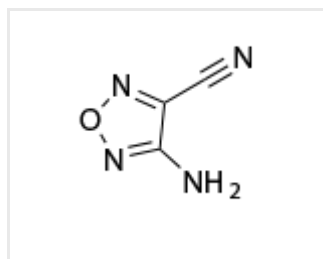
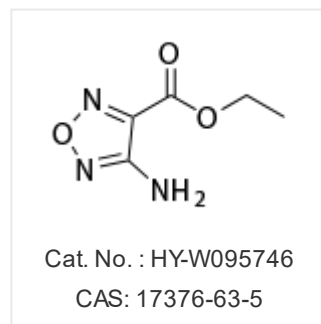
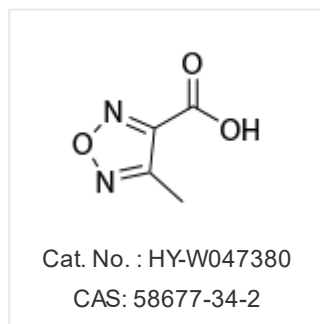
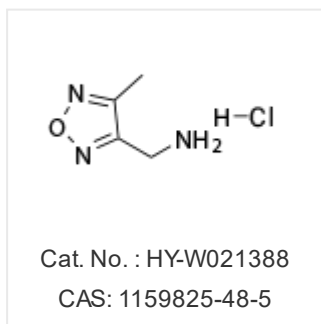
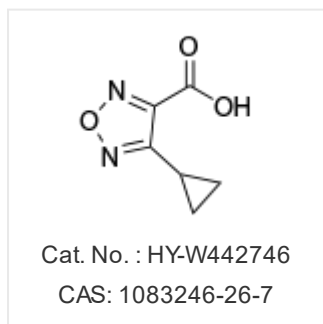
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1,2,5-Oxadiazoles belong to a class of five-membered heterocycles that contain one oxygen atom and two nitrogen atoms, exhibiting interesting biological activity and thermodynamic properties. They have a strong inductive effect, comparable to that of trifluoromethyl or tetrazolyl groups. In contrast to the 1,2,4- or 1,3,4-oxadiazole isomers, the ability of 1,2,5-oxadiazoles to generate benzo-fused systems allows for the formation of a unique chemical space, enabling a balance between lipophilicity and polarity. In recent years, 1,2,5-oxadiazoles and their derivatives have been reported as good pharmacophores with anti-inflammatory, antibacterial, antihypertensive, and anticancer activities, etc. So far, Chemscene has developed many 1,2,5-oxadiazole building blocks.



Mancini, R. et al, J. Med. Chem. 2021, 64, 4, 1786-1815

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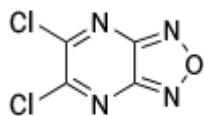


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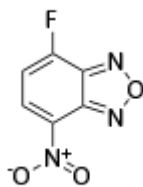
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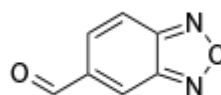
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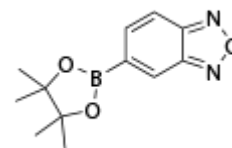
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Cat. No. : HY-W088655
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