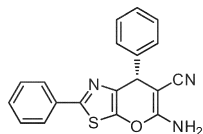


Stereochemistry abstracts

Lei Cui, Youming Wang, Zhenghong Zhou *

Tetrahedron: Asymmetry 27 (2016) 1056



$C_{19}H_{13}N_3OS$

(*R*)-5-Amino-2,7-diphenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +29.8$ (c 0.68, DMSO)

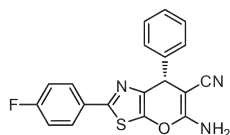
>99% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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Tetrahedron: Asymmetry 27 (2016) 1056



$C_{19}H_{12}FN_3OS$

(*R*)-5-Amino-2-(4-fluorophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +84.9$ (c 0.37, DMSO)

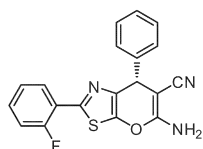
55% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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Tetrahedron: Asymmetry 27 (2016) 1056



$C_{19}H_{12}FN_3OS$

(*R*)-5-Amino-2-(2-fluorophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +50.8$ (c 0.49, EtOAc)

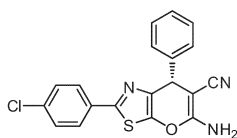
77% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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Tetrahedron: Asymmetry 27 (2016) 1056



$C_{19}H_{12}ClN_3OS$

(*R*)-5-Amino-2-(4-chlorophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +35.0$ (c 0.80, DMSO)

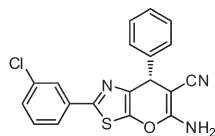
98% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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Tetrahedron: Asymmetry 27 (2016) 1056



C₁₉H₁₂ClN₃OS

(*R*)-5-Amino-2-(3-chlorophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +79.8$ (c 0.38, DMSO)

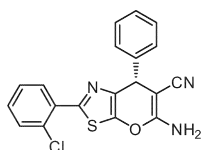
94% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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Tetrahedron: Asymmetry 27 (2016) 1056



C₁₉H₁₂ClN₃OS

(*R*)-5-Amino-2-(2-chlorophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +216.7$ (c 0.17, DMSO)

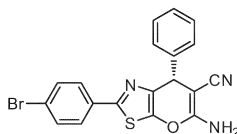
98% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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Tetrahedron: Asymmetry 27 (2016) 1056



C₁₉H₁₂BrN₃OS

(*R*)-5-Amino-2-(4-bromophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +382.5$ (c 0.08, DMSO)

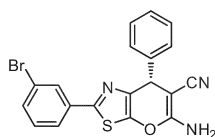
98% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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C₁₉H₁₂BrN₃OS

(*R*)-5-Amino-2-(3-bromophenyl)-7-phenyl-7*H*-pyrano[3,2-*d*]thiazole-6-carbonitrile

$[\alpha]_D^{20} = +90.0$ (c 0.40, DMSO)

98% ee

Source of chirality: Asymmetric organocatalysis

Absolute configuration: (*R*)

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