Stereochemistry abstracts

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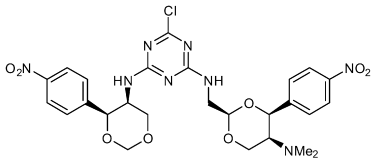
Tetrahedron: Asymmetry *26 (2015) 683*



$C_{26}H_{29}ClN_8O_8$

$[\alpha]_D^{20}$ = +160.1 (*c* 0.5, DMSO)
ee = 99% based on the starting materials
Source of chirality: diastereospecific ring closure of (1*S*,2*S*)-2-amino-1-(4-nitrophenyl)propane-1,3-diol and diastereoselective of (1*S*,2*S*)-2-dimethylamino-1-(4-nitrophenyl)propane-1,3-diol

2-Chloro-4-{[(2*R*,4*S*,5*S*)-5-(dimethylamino)-4-(4-nitrophenyl)-1,3-dioxan]-2-yl}methylamino-6-[(4*S*,5*S*)-4-(4-nitrophenyl)-1,3-dioxan-5-yl]amino-*s*-triazine

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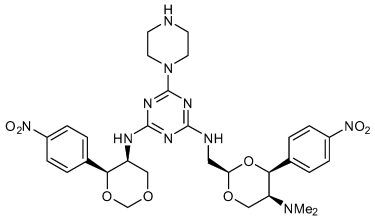

$C_{30}H_{38}N_{10}O_8$

$[\alpha]_D^{20}$ = +112.0 (*c* 0.5, DMSO)
ee = 99% based on the starting materials
Source of chirality: diastereospecific ring closure of (1*S*,2*S*)-2-amino-1-(4-nitrophenyl)propane-1,3-diol and diastereoselective of (1*S*,2*S*)-2-dimethylamino-1-(4-nitrophenyl)propane-1,3-diol

1-{4-{[(2*R*,4*S*,5*S*)-5-(Dimethylamino)-4-(4-nitrophenyl)-1,3-dioxan]-2-yl}methylamino-6-[(4*S*,5*S*)-4-(4nitrophenyl)-1,3-dioxan-5-yl]amino-*s*-triazin-2-yl}-piperazine

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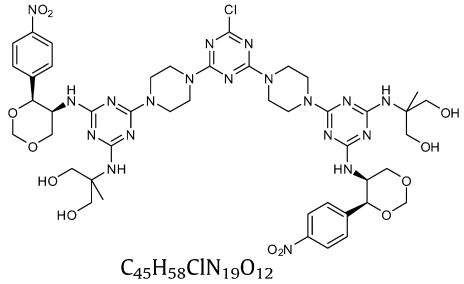

$C_{45}H_{58}ClN_{19}O_{12}$

$[\alpha]_D^{20}$ = +72.3 (*c* 0.5, DMSO)
ee = 99% based on the starting material
Source of chirality: diastereospecific ring closure of (1*S*,2*S*)-2-amino-1-(4-nitrophenyl)propane-1,3-diol

2-Chloro-4,6-bis{4-{6-{[1,3-dihydroxy-2-(methyl)prop-2-yl]amino}-4-{[(4*S*,5*S*)-4-(4-nitrophenyl)-1,3-dioxan-5-yl]amino}-*s*-triazin-2-yl}-piperazin-1-yl}-*s*-triazine

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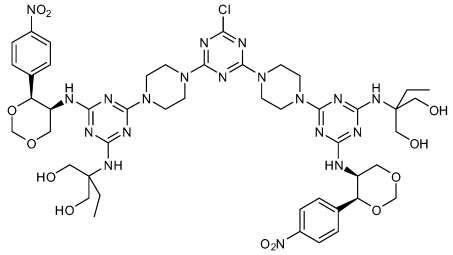

$[\alpha]_D^{20}$ = +89.5 (*c* 0.5, DMSO)
ee = 99% based on the starting material
Source of chirality: diastereospecific ring closure of (1*S*,2*S*)-2-amino-1-(4-nitrophenyl)propane-1,3-diol

$C_{47}H_{62}ClN_{19}O_{12}$

2-Chloro-4,6-bis{4-{{[1-hydroxy-2-(hydroxymethyl)but-2-yl]amino}-4-{[(4*S*,5*S*)-4-(4-nitrophenyl)-1,3-dioxan-5-yl]amino}-*s*-triazin-2-yl}-piperazin-1-yl}-*s*-triazine

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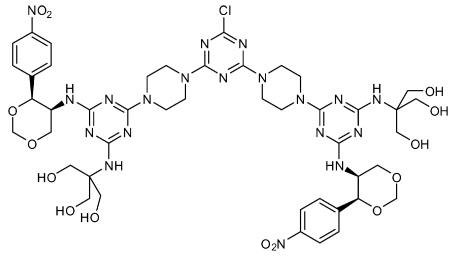

$[\alpha]_D^{20}$ = +98.8 (*c* 0.5, DMSO)
ee = 99% based on the starting material
Source of chirality: diastereoselective ring closure of (1*S*,2*S*)-2-amino-1-(4-nitrophenyl)propane-1,3-diol

$C_{45}H_{58}ClN_{19}O_{14}$

2-Chloro-4,6-bis{4-{6-{[1,3-dihydroxy-2-(hydroxymethyl)prop-2-yl]amino}-4-{[(4*S*,5*S*)-4-(4-nitrophenyl)-1,3-dioxan-5-yl]amino}-*s*-triazin-2-yl}-piperazin-1-yl}-*s*-triazine

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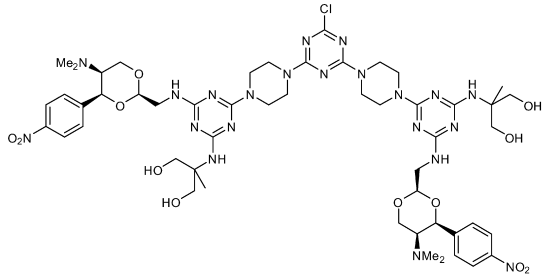

$[\alpha]_D^{20}$ = +184.5 (*c* 0.5, DMSO)
ee = 99% based on the starting material
Source of chirality: diastereoselective ring closure of (1*S*,2*S*)-2-dimethylamino-1-(4-nitrophenyl)propane-1,3-diol

$C_{51}H_{72}ClN_{21}O_{12}$

2-Chloro-4,6-bis{4-{{[1,3-dihydroxy-2-(methyl)prop-2-yl]amino}-4-{[(2*R*,4*S*,5*S*)-5-(dimethylamino)-4-(4-nitrophenyl)-1,3-dioxan-2-yl]methylamino}-*s*-triazin-2-yl}-piperazin-1-yl}-*s*-triazine