3,4-Dimethyl-N-(2,4,5-trimethoxy-benzylidene)-1,2-isoxazol-5-amine

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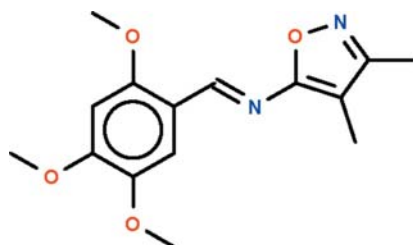Correspondence e-mail: seikweng@um.edu.my

In the title compound, $C_{15}H_{18}N_2O_4$, the aromatic rings on the azomethine double bond are *trans* to each other [C—C=N—C torsion angle = -178.29 (12)°] and they are approximately coplanar, the dihedral angle between them being 5.0 (1)°.

Related literature

For the spectroscopic characterization of a related Schiff base, see: Asiri *et al.* (2010).

Experimental

Crystal data

$C_{15}H_{18}N_2O_4$	γ = 79.985 (1)°
M_r = 290.31	V = 718.20 (9) Å^3
Triclinic, $P\bar{1}$	Z = 2
a = 6.6502 (5) Å	Mo $K\alpha$ radiation
b = 10.9012 (8) Å	μ = 0.10 mm^{-1}
c = 11.2582 (8) Å	T = 100 K
α = 63.463 (1)°	0.35 × 0.15 × 0.10 mm
β = 83.078 (1)°	

Data collection

Bruker SMART APEX diffractometer	3274 independent reflections
	2660 reflections with $I > 2\sigma(I)$
6732 measured reflections	R_{int} = 0.026

Refinement

$R[F^2 > 2\sigma(F^2)]$ = 0.046	195 parameters
$wR(F^2)$ = 0.139	H-atom parameters constrained
S = 1.03	$\Delta\rho_{max}$ = 0.27 e Å^{-3}
3274 reflections	$\Delta\rho_{min}$ = -0.33 e Å^{-3}

Data collection: *APEX2* (Bruker, 2009); cell refinement: *SAINT* (Bruker, 2009); data reduction: *SAINT*; program(s) used to solve structure: *SHELXS97* (Sheldrick, 2008); program(s) used to refine structure: *SHELXL97* (Sheldrick, 2008); molecular graphics: *X-SEED* (Barbour, 2001); software used to prepare material for publication: *publCIF* (Westrip, 2010).

Supplementary data and figures for this paper are available from the IUCr electronic archives (Reference: BT5294).

References

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