

3.7425 (9) Å].

Acta Cryst. (2011). E67, o2317-o2318 [doi:10.1107/S1600536811031953]

N'-[(1E,2E)-1-(2-Phenylhydrazin-1-ylidene)-1-(phenylsulfonyl) propan-2-ylidene] benzohydrazidene propan-2-ylidene propan-2-

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Abstract: The configuration about each C=N bond in the title compound, $C_{22}H_{20}N_4O_3S$, is *E*. While to a first approximation the phenylhydrazin-1-ylidene and benzohydrazide residues are coplanar, in part due to the presence of an intramolecular N-H. - N hydrogen bond, significant twists are evident in the orientations of the hydrazine [N-N-C-C torsion angle = -170.74 (11)°] and benzoyl benzene [N-C-C-C = -21.72 (18)°] rings. The sulfonyl benzene ring occupies a position almost normal to the rest of the molecule [C-S-C-N = -92.28 (10)°]. Centrosymmetric aggregates mediated by pairs of hydrazide-sulfonyl N-H. O hydrogen bonds are the predominant packing motif in the crystal. These are connected into linear supramolecular chains *via* C-H. O interactions which are, in turn, linked into layers in the *ac* plane *via* C-H. - m interactions. Connections between layers along the *b*-axis direction are of the m-m end occur between centrosymmetrically related hydrazine-bound benzene rings [centroid-centroid separation =