

Product Data Sheet

Product Name: Tenovin-3

Cat. No.: GC12337

Chemical Properties

Cas. No. 1011301-27-1

Chemical Name N-[(4-aminophenyl)carbamothioyl]-4-tert-butylbenzamide

SMILES CC(C)(C)C1=CC=C(C=C1)C(=O)NC(=S)NC2=CC=C(C=C2)N

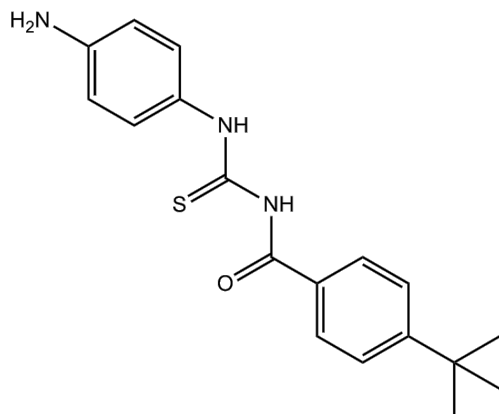
Formula $C_{18}H_{21}N_3OS$ M.Wt 327.44

Solubility $\geq 14.45\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

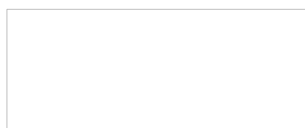
Structure



Background

Tenovin SAR Studies Aimed at Increasing Water Solubility

ID



p53
Increase^a

K40Ac
Tubulin
Increase^b

SirT2
Inhibition^c

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

ID			p53 Increase ^a	K40Ac Tubulin Increase ^b	SirT2 Inhibition ^c
	R ¹	R ²			
Tenovin-1	<i>t</i> _{Bu}	NHCOCH ₃	+	+	+
Tenovin-2	<i>t</i> _{Bu}	NHCOCH(CH ₃) ₂	+	+	+
Tenovin-3	<i>t</i> _{Bu}	NH ₂	+	+	+
Tenovin-4	N ₃	NHCOCH ₃	–	–	–
Tenovin-5	<i>t</i> _{Bu}	NHCOPh	+	+	+
Tenovin-6	<i>t</i> _{Bu}	NHCO(CH ₂) ₄ NMe ₂ .HCl	+	+	+

a Ability to increase p53 levels was determined in MCF-7 cells treated for 6 hr at 10 μM.

b Ability to increase K40 Ac-tubulin levels was determined in H1299 cells treated

c SirT2 inhibition assessed using a compound concentration of 10 or 30 μM depending on the compound's solubility in the assay buffer.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA