



## Product Information

### Microtubule/Tubulin inhibitor, INH6, Purity $\geq 98\%$

**Cat. No.:** X24-08-YM232

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

**MDL:** MFCD04722622

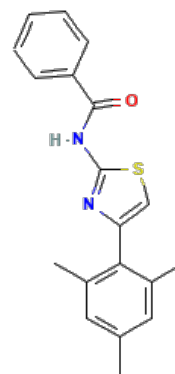
**CAS Number:** 1001753-24-7

**Compound CID:** 7918451

**Synonym:** 1001753-24-7; INH 6; INH-6; *N*

-[4-(2,4,6-Trimethylphenyl)-1,3-thiazol-2-yl]benzamide

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	INH6, soluble in warmed DMSO and warmed ethanol and insoluble in water, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin.
<b>Molecular Weight</b>	322.42
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> OS
<b>IUPAC Name</b>	<i>N</i> -[4-(2,4,6-Trimethylphenyl)-1,3-thiazol-2-yl]benzamide
<b>InChI</b>	InChI=1S/C19H18N2OS/c1-12-9-13(2)17(14(3)10-12)16-11-23-19(20-16)21-18(22)15-7-5-4-6-8-15/h4-11H,1-3H3,(H,20,21,22)
<b>InChI Key</b>	WCZLNJTXHZPHLM-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=CC(=C(C(=C1)C)C2=CSC(=N2)NC(=O)C3=CC=CC=C3)C
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Titer</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
<b>Solubility</b>	<i>In vitro</i> : DMSO (warmed): 58 mg/mL (179.88 mM); Water: insoluble; Ethanol (warmed): 10 mg/mL (31.01 mM)
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	INH6 is a cytoskeletal signaling inhibitor that can be used for its effective cell-killing activity in MDA-MB231, MDA-MB468, HeLa, and K562 cell lines.
<b>Storage</b>	Store at -20°C, and keep desiccated.



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