



## Product Information

### Microtubule/Tubulin inhibitor, CK-636, Purity $\geq 98\%$

**Cat. No.:** X24-08-YM230

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

**MDL:** MFCD03036245

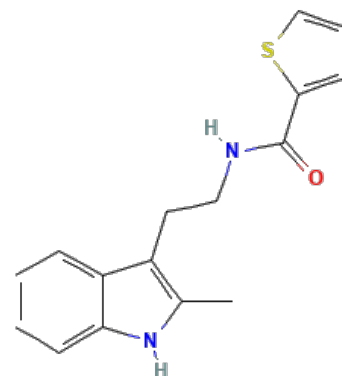
**CAS Number:** 442632-72-6

**Compound CID:** 588963

**Synonym:** 442632-72-6; CK636; CK 636; *N*-[2-(2-Methyl-1*H*

-indol-3-yl)ethyl]thiophene-2-carboxamide; *N*-[2-(2-Methyl-1*H*

-indol-3-yl)ethyl]thiophene-2-carboxamide



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

#### Product Information

<b>Description</b>	CK-636, soluble in DMSO and 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. It targets the Bovine Arp2/3 complex, fission yeast Arp2/3 complex, and human Arp2/3 complex.
<b>Molecular Weight</b>	284.09833
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>16</sub> N <sub>2</sub> OS
<b>Targets</b>	Bovine Arp2/3 complex: 32 $\mu$ M; Fission yeast Arp2/3 complex: 24 $\mu$ M; Human Arp2/3 complex: 4 $\mu$ M
<b>IUPAC Name</b>	<i>N</i> -[2-(2-Methyl-1 <i>H</i> -indol-3-yl)ethyl]thiophene-2-carboxamide
<b>InChI</b>	InChI=1S/C16H16N2OS/c1-11-12(13-5-2-3-6-14(13)18-11)8-9-17-16(19)15-7-4-10-20-15/h2-7,10,18H,8-9H2,1H3,(H,17,19)
<b>InChI Key</b>	ACAKNPKRLEPMONU-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=C(C2=CC=CC=C2N1)CCNC(=O)C3=CC=CS3
<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: 52 mg/mL (182.85 mM); Water: insoluble; Ethanol: 46 mg/mL
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	CK-636 is a cytoskeletal signaling inhibitor that plays a key role in reducing the formation of lamellipodia, leading to a decrease in migration speed.



## Storage

Store at -20°C, and keep desiccated.

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