

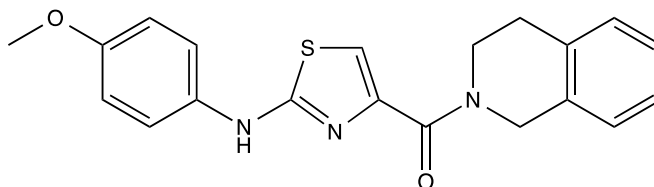
**Catalog # 10-1434**

**GSK-417651A**

CAS#736945-96-3

(3,4-Dihydroisoquinolin-2(1H)-yl)(2-((4-methoxyphenyl)amino)thiazol-4-yl)methanone

Lot # X105313



In whole-cell patch-clamp experiments in HEK293 cells transduced with recombinant human TRPC3 or TRPC6, GSK-417651A inhibited both TRPC3 and TRPC6 current with IC<sub>50</sub> of ~0.04 μM.<sup>1</sup> Combined pharmacological blockade of TRPC3 and TRPC6 inhibits cardiac hypertrophy.<sup>2</sup> Cell permeable

- 1) Xu *et al.* (2013), *Characterization of small molecule TRPC3 and TRPC6 agonists and antagonists*; *Biophys.J.* **104** 454a
- 2) Seo *et al.* (2014) *Combined TRPC3 and TRPC6 blockade by selective small-molecules or genetic deletion inhibits pathological cardiac hypertrophy*; *Proc. Natl. Acad. Sci. USA*, **111** 1551

**PHYSICAL DATA**

Molecular Weight:	365.46
Molecular Formula:	C <sub>20</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub> S
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml) or Ethanol (up to 15 mg/ml with warming)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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