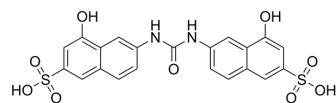


## SM27

Cat. No.:	HY-123453
CAS No.:	6266-54-2
Molecular Formula:	C <sub>21</sub> H <sub>16</sub> N <sub>2</sub> O <sub>9</sub> S <sub>2</sub>
Molecular Weight:	504.49
Target:	FGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	SM27 (NSC 37204) is an inhibitor for fibroblast growth factors (FGF). SM27 inhibits angiogenesis through block of FGF2/HSPGs/FGFR1 complex formation <sup>[1]</sup> .
In Vitro	SM27 (0-100 μM, 2 h) inhibits FGF2/heparin and FGF2/ FGFR1 interaction in a dose-dependent way with IC <sub>50</sub> s of 3.5 and 4 mM, through inhibition of FGF2-mediated cell-cell adhesion with IC <sub>50</sub> of 1 mM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Pagano K, et al., Direct and allosteric inhibition of the FGF2/HSPGs/FGFR1 ternary complex formation by an antiangiogenic, thrombospondin-1-mimic small molecule. PLoS One. 2012;7(5):e36990.

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

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