



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Data Sheet

Research Use Only

## Compound Name

PIK-75 Hydrochloride

## Catalog Number

SM76

## Activity

PIK-75, free base, is a cell-permeable selective inhibitor of PI 3-kinase p110 $\alpha$ .

## Purity

>99%

## Formula

C<sub>16</sub>H<sub>14</sub>BrN<sub>5</sub>O<sub>4</sub>S.HCl

## Solubility

DMSO

## Alternative Names

PI3-Kinase  $\alpha$  Inhibitor VIII, 2-Methyl-5-nitrobenzenesulfonic acid 2-[(6-bromoimidazo[1,2-a]pyridin-3-yl)methylene]-1-methylhydrazide hydrochloride

## Effect

This molecule inhibits production of PIP2 and PIP3 in adipocytes, phosphorylation of Akt and also activation of mTORC1. It has been studied that PIK-75 significantly reduces leukemia burden and increases the survival of mice engrafted with human acute myeloid leukemia.

## CAS

372196-77-5

## Molecular Weight

488.74

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Kingham, E. and Welham, M. 2009. J Cell Sci. 122:2311-2321. PMID: 19509054
2. Yi, YW., et al. 2013. Mol Carcinog. 52(9): 667-675. PMID: 22488590
3. Thomas, D., et al. 2013. Blood. 122(5): 738-748. PMID: 23775716