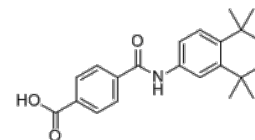


**Product Name** : Tamibarotene  
**Cat. No.** : PC-21041  
**CAS No.** : 94497-51-5  
**Molecular Formula** : C<sub>22</sub>H<sub>25</sub>NO<sub>3</sub>  
**Molecular Weight** : 351.45  
**Target** : RAR/RXR  
**Solubility** : 10 mM in DMSO



CAS: 94497-51-5

## Biological Activity

Tamibarotene (Am-80, SY-1425) is a potent and selective retinoic acid receptor  $\alpha$  (RAR $\alpha$ ) agonist with high selectivity over RAR $\gamma$ , exhibits anti-angiogenic activity.

Tamibarotene (Am-80, SY-1425) is a potent inhibitor of proliferation in the RARA-high AML cell lines, with EC50s that ranged from 0.14 nM-0.9 nM, with no effect on the RARA-low cell lines up to the highest concentration tested (2  $\mu$ M).

Tamibarotene (Am-80, SY-1425) induces maturation in RARA-high AML, exerts transcriptional and chromatin alterations in RARA-high cell lines.

## References

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de Botton S, et al. Blood Adv. 2023 May 9;7(9):1858-1870.

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**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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