# AG-494

## EGFR inhibitor

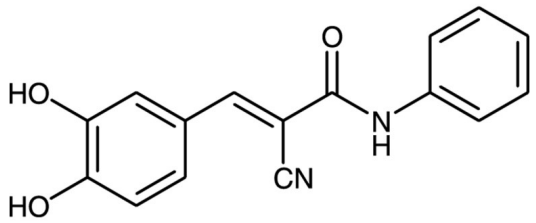
AG-494 is a member of the tyrphostin family of tyrosine kinase inhibitors and is a potent inhibitor of EGF receptor autophosphorylation ($IC_{50}$=1.2 µM) and EGF-dependent cell growth ($IC_{50}$=6 µM). It selectively inhibits HER1 (EGF receptor) *vs*. HER1-2 receptor autophosphorylation (HER1: $IC_{50}$=1.1 µM; HER1-2: $IC_{50}$=45 µM). HER1-2 is a chimeric receptor consisting of the external HER1 domain fused to an internal HER2 domain. Blocks CDK2 activation and causescells to arrest at late G1 and during S phase.

**Citations:** 5 View Online »

## Ordering Information Order Online »

| | |
|---|---|
| **BML-EI228-0010** | 10mg |

## Manuals, SDS & CofA View Online »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## Handling & Storage

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|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Product is subject to oxidation. |
| **Handling** | Store tightly sealed in the dark. Protect from light. Make solutions fresh daily. |
| **Long Term Storage** | Ambient |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

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|---|---|
| **Appearance** | Yellow solid. |
| **CAS** | 133550-35-3 |
| **Couple Target** | EGFR |
| **Couple Type** | Inhibitor |
| **Formula** | $C_{16}H_{12}N_2O_3$ |
| **MW** | 280.3 |
| **Purity** | ≥98% (TLC) |
| **Solubility** | Soluble in DMSO (25mg/ml) or 100% ethanol (25mg/ml). |

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com