



biochemicals

Manufactured by **VDM Biochemicals.LLC**

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Product Data Sheet

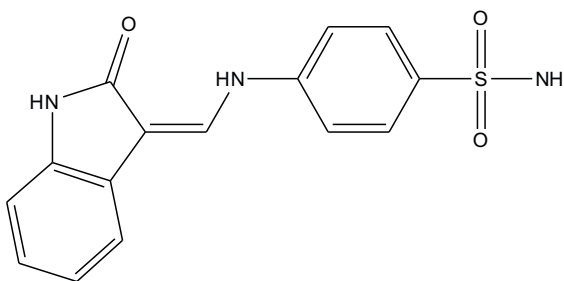
Product name: **TrkA Inhibitor**

Cat. number: **VD-OEIA-10008** CAS Number: **388626-12-8** Lot number: **VD0709504** www.vdm.bio

Personal protective equipment

■ Lab coat.

■ Safety glasses.



Product Specification

Formula:	C ₁₅ H ₁₃ N ₃ O ₃ S
MW:	315.4
Purity:	>=97% by HPLC (sum of two isomers)
Appearance:	Yellow solid
Solubility:	DMSO
Storage:	+2°C to +8°C. Protect from light.
Synonyms:	Carbobenzoxy-L-leucyl-L-leucyl-L-leucinal; Z-LLL-CHO

Product Description:

TrkA Inhibitor is an oxindole compound that is a reversible and selective inhibitor of TrkA. TrkA Inhibitor functions via targeting the kinase's ATP binding pocket. TrkA is a high affinity neurotrophin receptor. Studies suggest that TrkA mediates Nerve Growth Factor (NGF), which increases differentiation in neurons. In addition, TrkA Inhibitor binds selectively to Cdk1 and cRaf1, proteins which regulate the cell cycle.

Product References

1. Gingrich, D.E., et al. 2003. J. Med. Chem. 46: 5375-5388.
2. Wood, E.R., et al. 2004. Bioorg. Med. Chem. Lett. 14: 953-957.

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