

## RepSox, GMP Grade

**Cat. No.** RepSox-21    **Lot. No.** (See product label)

### SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | RepSox (E-616452) (GMP) is a RepSox produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture.                                                                                                                                                                                              |
| <b>Description</b>       | RepSox is a potent and selective TGF- $\beta$ -RI/ALK5 inhibitor.                                                                                                                                                                                                                                                                                                |
| <b>Form</b>              | Solid, White to light yellow                                                                                                                                                                                                                                                                                                                                     |
| <b>Target</b>            | TGF- $\beta$ Receptor                                                                                                                                                                                                                                                                                                                                            |
| <b>In Vitro</b>          | RepSox (GMP) (10 $\mu$ M) induces MEFs differentiating to chemically induced pluripotent stem cells (CiPSCs). RepSox (GMP) (10 $\mu$ M, in stage I-Stage III induction medium) induces hCiPS cells from HEFs. RepSox (GMP) together with Forskolin increases the number of proliferative cells in MEFs expressing MyoD, confirmed by increased EdU incorporation |
| <b>IC50 &amp; Target</b> | IC50: ALK5 autophosphorylation (4 nM)                                                                                                                                                                                                                                                                                                                            |
| <b>CAS</b>               | 446859-33-2                                                                                                                                                                                                                                                                                                                                                      |
| <b>Formula</b>           | C <sub>17</sub> H <sub>13</sub> N <sub>5</sub>                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>    | 287.32                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>           | 4 centigrade, sealed storage, away from moisture and light                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

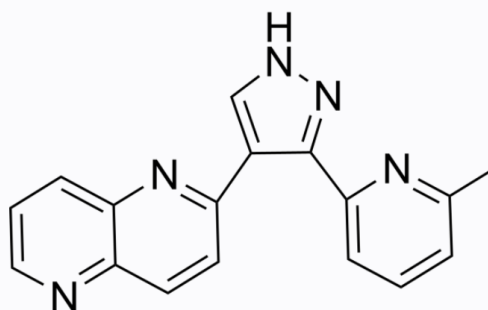
 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

**Pathway** TGF-beta/Smad

**Synonyms** RepSox; E-616452; SJN 2511

**Chemical Structure**



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA